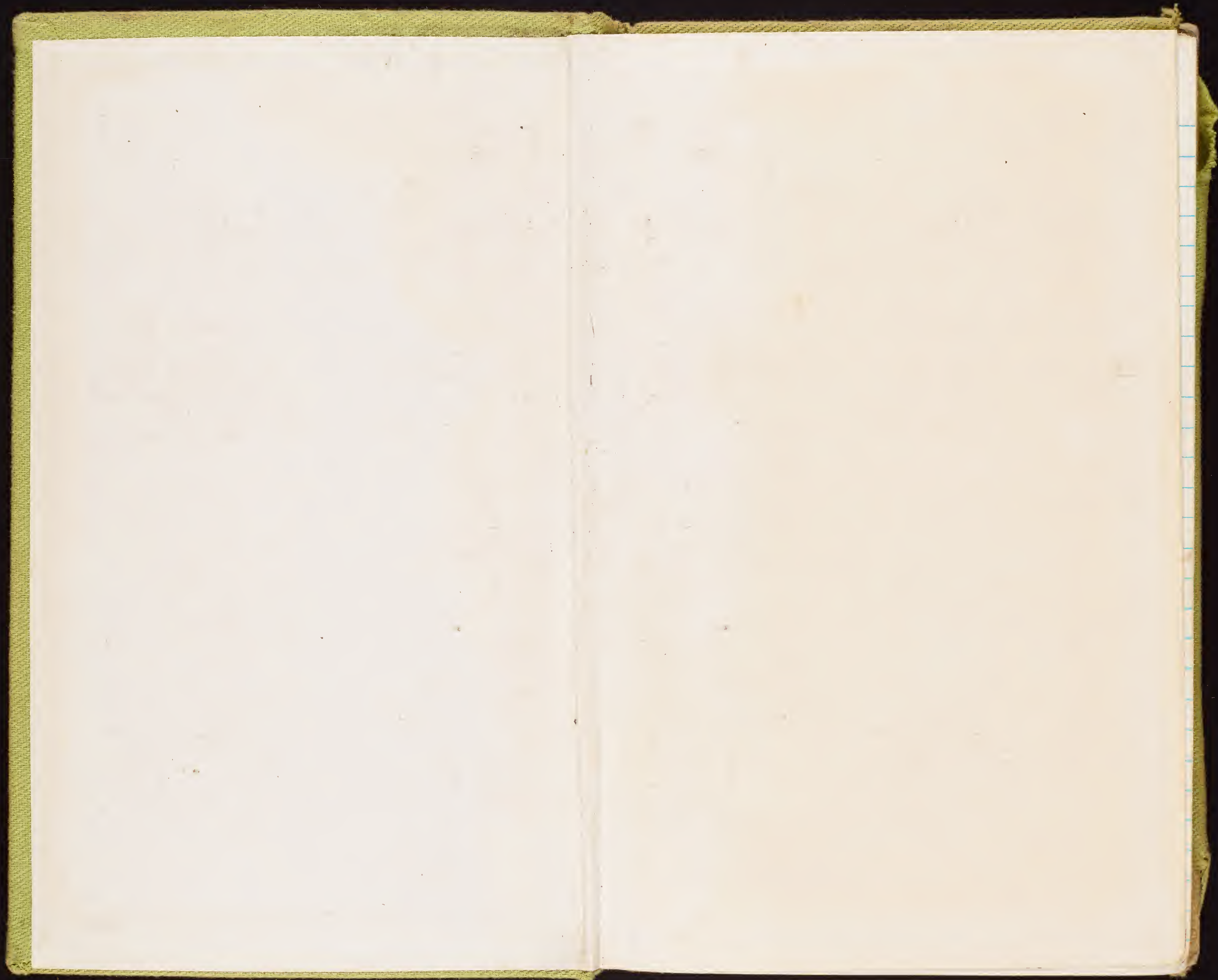


7530-00-222-3521
FEDERAL SUPPLY SERVICE

(GPO)



Lipids virus?

first in major trends

March 4 - print conference

original from virus for Buhner

March 4 230 → 5:00

afternoon with

Trac #13

230

235 WEU 40"

J. bbs at foot

1 tube came off foot

etp 2000 and -

flew rapidly out of tube

325 wind pick up

517 MW 90"

perched off foot

1/3 exposed

pick at 001 for

70"

hazy down

Page 2

O-O Swamp

Sept. 12

900

landed in canal

went into wet side
active

(W)

909 overflow wet side

(W)

935 landed on canal went to

Dry side active

(D)

940 landed on canal went to

Dry side

active

(D)

949

landed on canal

went to dry side
active

(D)

955

landed on canal

went to dry side
active

(D)

900

landed on canal

went to dry side

(D)

1010

landed in wet side

(✓)

1018 wet side active

W

7:11

1025 wet side active

(W)

7:12

Jan 6

1030 flow high back

flow low - on side of

with dry

almost got out

W?

flow high back

1045 over the dry side, on

try edge

now looking around

D?

1050 over the dry side, on

on try - now looking around

D?

1057 on flow dry try with

to edge of try (side)

looking around

D?

1105 - landed on wet side
active

W!

1110 landed on wet dry

W

Sw-O-O 9/13

1115 wet side active

W

1120 Dry side active

D

1127 wet side

W

very active

1130 wet side

W

very active

Sept 13

1030 dry Day

D

1037 far wet corner

W

over pond

1038 close wet side active

W

1043 Dry side

D

active

3:1

20 min

836 wet side broad class W
to center then
active briefly

1843 wet side W
side

850 dry side D
active

857 wet side active W

12:18

903 Dry side D
pinned in back corner
wet then came
to dry side

1034 far wet side W
1036 close wet corner W
active

Sw - g g 9/13 continuation

944 wet side door W
active 8:8

954 wet side close W
active 8:9

1000 wet side active 3:10 W
wet to edge of

1006 looked on edge of wet to dry side 4:10 D

1000 looked on edge of wet 5:10 D

1018 looked on wet side 5:11
11:6

So B-B

REVERSE
wet on R.W.
9/14

over the Dry

over the wet to door

120⁺ loaded on edge of Dry + dry
TA

D?

915 - loaded on Dry corner
at

D

TA

921 Dry (the corner)

D

929 over floor Dry side (not
moss)

D?

over the Dry

930 loaded in Dry side

D

Nile bird is inactive +
flies when you try
to catch it

932 Over the net side W?

938 landed in Dry side D
6:1

missed W
W?

missed W
W?

missed C

946 landed on Dry side D
7:3



R-B / A-B

R1 10:15 Dry side vegetation (D)

R2 10:20 Dry side
long back forth (D)
at high speed in tree

R3 over the Dry side (high) D?

R4 10:27 landed in back of Dry side D
long

R5 10:30 landed on Dry side D
very active

R6 10:40 Dry side D
very active

not veg side Dry side D
7:0

Sept 18

9:00 Dry side veg side (D) 9:0

~~9:05~~ 9:05 - ~~dry~~ wet side. Area (W) 8:1

9:10 Over 2.2 Dry side D? 9:1

escaped.

under burlyp +

disappeared?

B-B

o
9:50 ~~landed in wet side~~ 7:4
over the dry side D?

9:58 landed in wet side W
8:4

9:40 landed in wet side W 8:5

9:42 " " W

over the dry side 9:6

then on wet side

then over dry x2

12:7

landed in Dry side

12:7

7:8

over the D

13:2

7:3

Sep 2 18 - SW 00

~~Dry side~~

925 - Dry side calc D
thin bed

931 wet side W
calc thin

unmass dump
939 Dry side over calc D
calc thin
unmass dump

942 wet side (on W
brakes over pool

957 wet side calc W
a 3.2

959 Dry side D
3.3

1004 wet side calc W
4.3

9/20

11:10

11:12 loaded in center - wet
do wet side Achae
thin bed

11:19 Dry side FA

(W)
5.3
(D)
5.4

Sung 0-0 9/20
1024 Dry side

(D) 5.5

1130 Perched on wet side

(W) 6:5
w: 10:2

Rained out

9/21 Broken off by
sun IA
th A

(D) 6:6

9 " " A

P 6:7

9 " Dry side Active

(D) 6:8

9/22 Wet side

(W) 7:8

had some
grass

936 Dry side
IA

(D) 7:9
Dry side

940 Dry side
IA

(D) 1:10

Sung 9 5r 5r

R1040 - over place w w?

1040 Wet side Active (W)

1040-12 got up in branch

R3 Perched close wet
active (W)

R4 Perched close w
active (W)

R5 Perched wet side - on
edge of
dry side (W)

R6 Mostly outside dry
Perched on wet side
active (W)

R7 1013 - 1 active in
wet active W

9/21 JFS

8:23 - wet side

(W)

8:0

8:30 wet side
active

(W)

9:0

8:37 wet side
active
1 Hen out of by 4:00

(W)

10:0

8:43 wet side Ark

(W)

11:0

8:49 Dig side
active busy

(D)

11:1

8:54 wet side
Ark

(W)

12:1

8:55 Dig side active

(D)

12:2

(W) 13:2

9/26 um g Ju sp

et kinoon 3:45 - clear + breezy

3:30

6/7 found (1/26 to wet side
(Door)

note
but high

3:45 Dig wet side

Dig high

3:50 found active
tag on wet side

9/27. 9. m

Dry high

Dry high

Wet high

Wet high

10/4^W

Dry high

Wet high

11/5

12:5

Wet high

Wet high

13:5

Wet high

Dry high
14:5

9/26 Swing 49

Fly high W

PSB 1, D

PSB H W

W

Fly high W

PSB L, 2 at the 10" or
tray

843 Fly 1/2 let see the
down out on

+ tray

748: 10W over let 3/4

"

" 9.1

1022 hgt ~~to~~ creek
low water
at dry

1029 hgt Dry

wet mud

1033 hgt hgt
1113

1139 wet mud
1213

1145 wet mud 1313

1151 - wet mud 1413

1156 - Dry 1414

101 - wet
high 1514

107 wet hgt 1615

Sory 6-w

Sept 29

1st hour hot dry

2nd hour in dry shade

(D)

3rd hour in dry

(D)

8:30 in dry shade

(D)

9:30 in dry shade

(D)

8:41 Just moved shade (D)

9:22 in dry shade

P

8:57

back in dry

P

8:0

859

h. c. by
active

D

905

Dry bag

P

Sept 3 -

10:00

h. c. by
active

D

11:00

10:00

h. c. by
active
dry bag

D

12:00

10:00

dry bag

D

13:00

P

dry bag

14:00

Swarm record Oct 4

wet bag from door

900

h. c. by

(W)?

903

wet mid

W?

907

Dry mid

D?

912

wet h. c.

W

3.1

917

fly to wet

W??

then to dry

923

wet h. c. mid

C

3.1

928

Dry h. c. mid

3.2

933

wet mid

3.2

Sw 44 R. 1000 1000

1007 D. 1000 hyl (D) 3

1001 wet 1000 hyl W

1006 wet 1000 hyl W

1041 wet 1000 hyl W

1046 wet 1000 hyl W

1051 wet 1000 hyl W

Song 6-10 - R. 1000

902 in 1000 W

902 in 1000 W

912 out 1000 W

0.3

912 in 1000 hyl W

out 1000
try wet 1000

922 in 1000 hyl W

922 in 1000 hyl W

930 wet 1000 W

1000

Oct 5 Swamp

837

Dry mud.

0

5.3

842

Dry mud

0

6.4

847

Wet mud

W

7.4

Good on
side

852

Wet mud
hl

8.4

857

dry mud
hl

9.4

902

Wet mud
hl

9.5

906

Wet mud

10.5

Wet mud

11.5

Oct 5 Swamp

921 - on edge of mud

W?

9.1

924 - on edge of mud

W

8.1

930

Close
edge of mud
to hole problem

W

937

Close on edge of mud

W

10.1

940

Wet - hl

W

11.1

945

Wet - hl
thin - on edge of mud
close to edge of mud
only on edge of mud

W

947

Dry mud on edge of mud
out of hole

1.2

Sing 6-w

Oct 5

1003

Wet sub

8:0

1003

Wet sub

9:0

1013

Wet sub

Wet sub

10:0

10:10 (Thru birds by)

W 11:0

10:22 after

W 12:0

10

London

Oct. 11 1989

Barbours bellbird

5-7 R.B. Grosbeak

3 S. Tanager

6 Greenish Warbler

Eastern Wood Pewee

Oct 12 - PCP → STICRESA

Tried tips on WEV

Bay-breasted Warbler 1

CSW 1

Tennessee Warbler 1

T. G. Warbler

Hooded Warbler

American Redstart

LEWIS - 20+

Piedmont Blue

Song Sparrow

W.E. Vireo Oct 13 Forest

Trial 1 V.g.
PC Vm 2

S. 11
chatter 1

front

Lost Flycatcher

chatter 1

Trial 2 V.f

S. 1

chatter 1

W.E. Vireo

MW

W.E. Vireo

W.E. Vireo

Red

3

2 chatter

W.E. Vireo

Wren

Base

chatter 41

S. 11

Trial 4 T. Vireo

RT T. Vireo

MW -

W.E. Vireo - T. Vireo

W.E. Vireo - T. Vireo

APW

chatter 1

Trial 4

MW

chatter 1

S. 11

W.E. Vireo, T. Vireo, S. 11

W.E. Vireo

APW

chatter 41

W.E. Vireo

Trail 5
V. pallens
Poc
chase 1/11

Dog MW
JRil
REV } mby
JH W
1q h + Ww
Rat - egg
Lilge
Ph. edipha
V. ro
virco
W E U mm within 5m
m - 1m

After

Trail 6 7:30

P. Sing 1
chase 2, 1, 1

During
Hw, 4TV - 0

After 1, 1, 1

Trail 7 7:45 V. pallens
Poc Sing 11
chase 11

Ag 7+ - 10:00 - 10:30 7m
app 4, 24 2 T

Rail
T. G. r. other
mby
1mm

After 10:00

Sing 3, 1, 1, 1 (3 birds)
B 2, 1, 1, 1
pse

H 8 8:15 [V. pallens]
[chase]

Poc
chase 111

P
chase 1
Approach
[2 birds]

After 1/1, 1/1, 1/1
11/11, 11/11
1mm

Tree 10 young

Day 2 BUBBLES

Big Cattle

Trial 13 V. j. n. m.
915

Pr

Ag BBW
mb3
R. 1002

BBW
BBW

2 ch.

Trial 14 V. p. l. n. m.

Pr 1003 R. 1002

Ag 1003 R. 1002
Flower (1003)

2 R. 1002, 1003 R. 1002
APL

Pr 1003 R. 1002

1003 R. 1002

Trial 15 937 G. l. n. m.

Pr 1002

Ag 1003 R. 1002

Pr 1003 R. 1002

F. B. L. n. m. R. 1002

HW

BBW

Pr 1003 R. 1002

Pr 1003 R. 1002

Trial 16 V. G. l. n. m.

Pr 1003 R. 1002

Pr 1003 R. 1002

Pr 1003 R. 1002

Pr 1003 R. 1002

Trail 17

Vireo gilvus
10.23

Pr 71

Aug - Hw 4
BT 6 4
Hw
Juv 4 BW
After

WCV A 2m
fm ?
Dm hgt

Trail 18

1030

P. 1

Pung

After

CJW 4m

BT 6

BT 6

Oct 14

Trail

Pr

608

Dung

Am...

Sig 1, 1

MW

Will - 5m

fly over

1.5m

2nd track

Al - fly over

Sing 1/2 track 1, 41

↑ song

Trail 2

623

Pr 2, 1 (2 m)

Dung

After 10:30

Trail 5 - V. jamaica

Prc CSW imm
1 ch. + 1

Aug

3 cells ~~||||~~ ||

App-

ch. + 1

4 imm

Aug 1

ch. + 1

Aug cell ||| | || | || | 3 h. 3

ch. + 1

|| ||

Aug ~~||||~~ ||

↑ ~~||||~~ ||| |||

||

Trail 6 - ~~new~~ new

Prc

Nov

Aug CSW imm

ch. + 1

Prc

Back at bed

2 ch. + 1

Time 3 Vigorously 733

Pre

Do. 2 CAFE over

Chick + + + + 1 m
1 /
1 /
2 birds

Post 1 single bird

post 1 / 1 / 1 / 1 / 1 / 1 /

1 slow return

Song + + + + +

Time 4 Vigorously 742

Pre + + + + +

14

Do. 2

→ O. sparrow
Yellowthroat

2 CAFE

AFW

2 birds

1 / 1

Song 1 Ch. sp.

Tail 1 unpainted

Pce

0.3

Post

blue-green

green

Tail 10 unpainted

Pce

Aug 2 App. 1.50

at 11/11

Post

5.2 + + + + + (10/2/11)
1.11 + + + + +

Test 11
V. 51.37-)

Poc

By Column A.

Post

Test 12
Wren

432

Poc 11

cl. 11 11 11

Dry

App (not in) -

Poc 22

7 14 11 11 (columns)

11 11

Oct 17

Pitavero Experiment

1030-1200 WC

walked along

Oct. 18

Grazed Aechuel - with Laura
getting forestry data on

Virco) - Saw 1 cd + 2 imm

WEV in Aechuel - no interaction
with local birds

also 2 foraging Bussies

one with scrub vireo +

one with W.E. Virco

Lots of migrants

Blue-winged, 1 CDV, 1 JW

Eastern Wood Pewee)

Trail 13

Pre

During

Q Red

3 PLiable

S. B. Wren

After

Pre

P. T. Envel

Shaker 1

App Envel

After

10/15/15 (10/15/15)

P.C.

0.5

Revised

MW

Part 2
1. WEVIA
1. mm

Sp. 12 of 1000

Nov. 3

Oct. 10 - 18 week list

Sien Kuan

Bare-throated Tiger heron 1 near R. Nueva
Great Blue Heron - 1 Wardsman's Heron)
Great Egret common 6. W. heron et
Snowy Egret common S.T.
Little Blue Heron common
Tricolored Heron 1 at St. Jose / common
Thicket Trainor common in

forest
Pied-billed Grebe - Cobs
Brown Pelican - B. Pellic
Olivaceous Cormorant B. Pellic
Anhinga Cobs
Magnificent frigatebird - 1 at Grazed /
Green-backed Heron common Acapulco
Yellowish White Ibis - El Rio
Roseate Spoonbill 5 - El Rio
Wood stork Cobs
Black Vulture +
Turkey Vulture +
Osprey B. Pellic
Cane Hawk - R. 24 Patro
Common Black Hawk - El Rincon
Great Black Hawk - El Rincon
Gray Hawk common
Roadside Hawk Ab.
Short-tailed Hawk - 6 light phase

Leasing Falcon - common Patroco
 Colored Forest Falcon - Near ^{Arizh.} S.T. - several times
 Merlin - Grazed Arizh
 Bat Falcon - S.T. area
 Peregrine Falcon - Base Pilla - S.T. area
 Plain chachalaca 10 km NE Cuicila
 Ocellated Turkey - very uncommon
 Black-throated Bobwhite - Grazed Arizh
 Gray-necked W. Rail - uncommon
 Black-bellied Plover B.P / El Rio
 Snowy Plover B.P.
 Wilson's Plover B.P.
 Semipalmated Plover B.P / El Rio
 Killdeer Caba
 Northern Jacana Caba
 Greater Yellowlegs El Rio
 Lesser Yellowlegs Flacilit El Rio
 Spotted Sandpiper B.P. Oct 15
 Ruddy Turnstone B.P.
 Western Sandpiper B.P / El Rio
 Least Sandpiper B.P.
 Leasing Gull B.P.
 Royal Tern B.P.
 Sandwich Tern B.P (5)
 Red-billed Pigeon common
 White-necked Pigeon 2 El Rincón
 Common Ground Dove
 Ruddy Ground Dove FCP

Blue Ground Dove - near R. Tibeno
 White-tipped Dove common
 Green-winged Dove 1 near FCP
 Olive-throated Parakeet common
 White-fronted Parrot Abundant
 Yellow-bellied Parrot +
 Spurred Cuckoo common
 G.B. Ani R. Navejo / Patroco
 Variegated Screech Owl common ST
 Mottled Owl 3-4 sightings ST
 Lesser Nighthawk FCP Near FCP
 Common Pigeon common
 Yucatan Parakeet 1 seen Grazed Arizh
 Yucatan Nighthawk 4 hd S.T. Aug full moon
 Common Pato (Tdm-FCP)
 Vaux Swift common
 W.T. Screeching common
 G. Breasted Merganser 1 Grazed Arizh
 Fork-tailed Emerald +
 W.B. Emerald Forest 1 c from Arizh
 B.b. hummingbird obscure L
 Common humbird common
 Black-headed Trogon common
 Violaceous Trogon common
 Blue-crowned Motmot common
 Belted Kingfisher on coast

Collared Arrears

Keel-billed Toucan

Red-vented Woodpecker 6-10

Golden-fronted Woodpecker common

Ladder-backed Woodpecker

Smoky-brown Woodpecker common in

chestnut-colored Woodpecker mixed flock

Linnet Woodpecker in rd to FCP

Pile-billed Woodpecker 2-3 ST

R. Four-breasted Spinel 4 obs
ST, Brazil Arred

Plan Xenoops near FCP

Toucan-winged Woodcreeper

Ruddy Woodcreeper

Olivaceous Woodcreeper

Ivory-billed Woodcreeper

Barrid Antthrake - common Arred

Black-faced Anthrac hd near FCP

N. Beardless Tyrannulet common SMS

Greenish Elaenia - common FCP

Yellow-bellied Elaenia - common Arred
Arred / power

N. Bantail - common in forest

Yellow-bellied Flycatcher - 3-4 hd near FCP

Stub-tailed Spidebill common

Royal Flycatcher km 16, near ST-CB/
LM

Continued Later

10-9
10-3

Dec 15, 1911 9/11/11 13

A. 10-11-11

Dec 15

11-11-11 = 2

Submarine 10-11-11

Dec 15

11-11-11 = 7

11-11-11 = 3

10-9

Dec 15 2

Dec 15

11-11-11

11-11-11 (1 1 1)

11-11-11

Dec 15

11-11-11

11-11-11

11-11-11

11-11-11

T. 1000 5000 6000

P. 1000 1111 1111 1111 1111 1111

P. 1000 1111 1111 1111

P. 1000

T. 1000 5000 6000

P. 1000

1

P. 1000 1111 1111 1111 1111 1111

1111 1111

P. 1000

5000 1111 1111 1111

Temp 7 722
V. 1000

P. 10

P. 10

P. 10

Q. 10 H. 10

P. 10

P. 10

P. 10

V. 1000 740

July 1 WED

PK

0.2

Post

of ml

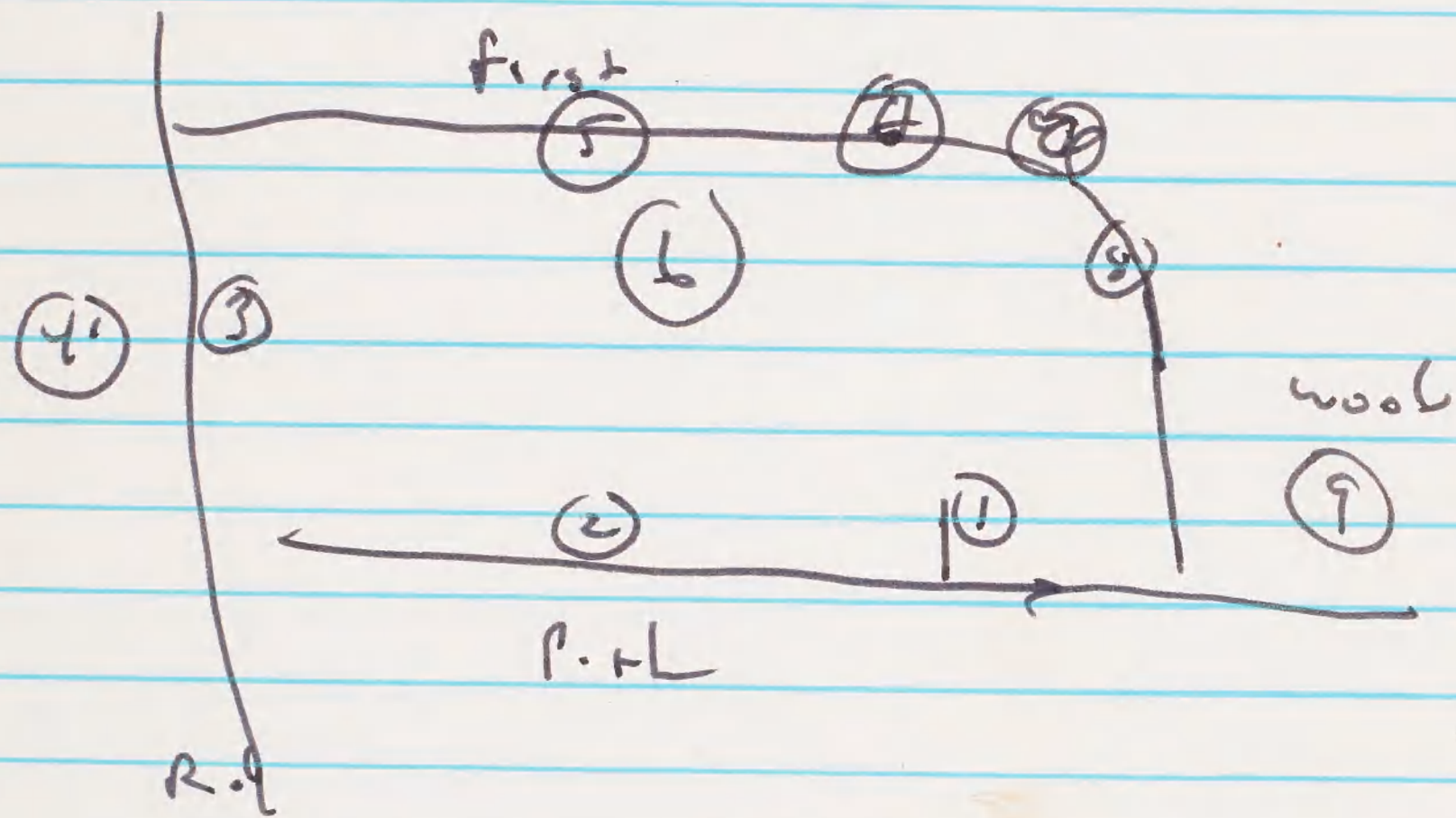
July 10

P.

P.

Oct 19
clear, calm

Tried to catch vireos near JT



1 - Poller - not

2 Poller App + song Nod

3 Nod - Poller tape
+ grays - Nod

4 Nod

5 WEU App

6 Almost right Poller

7 - WEU
capture
R-R
Poller
Nod

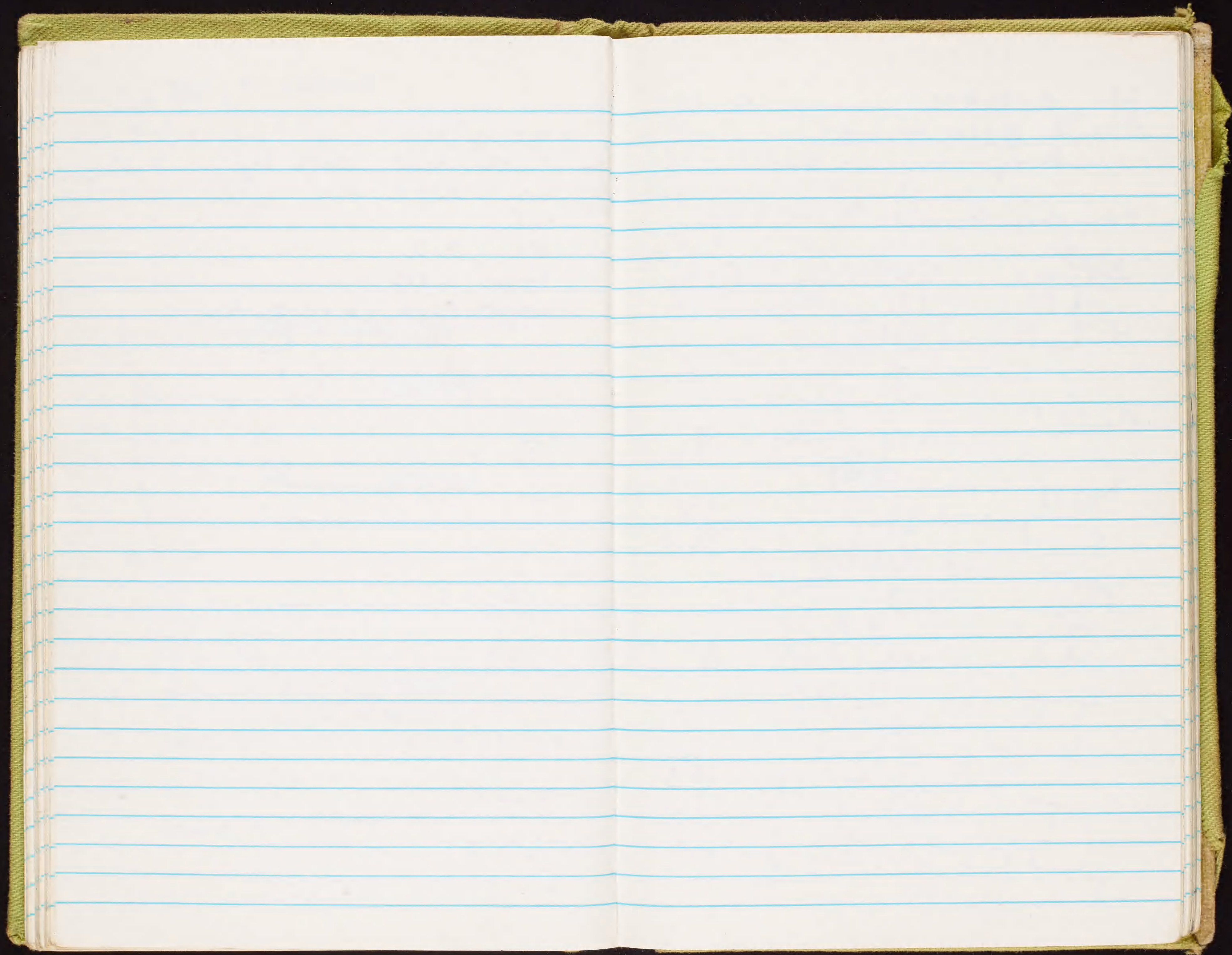
8 WEU & nod
light
Poller Nod

9 WEU song
App
poller, nod

October 19, 1989

Vireo griseus

No. 1	red band	both legs	8:20
fat	wing	5.52	
one	tail		
	bill	7.2	
	tarsus	1.05	
	weight	72.5	= 11.0



21 October

Morning - grazed Acacia
foraging Saw 1 - 2 (Gorub)

PM along transect to count trees

Trigyna

6 III

8 2, 11

Nin-ligum

1 III

4, 11

3

Bursera

Plm

Merkel

1

1 Q

1 Q

few

fruit

5, 11

5, 11

Vitex
M. topium

17

3

8

3 2

4 1

2, 3

4

2

5

3 1

3 1

13

5

18 B

15

152 L: 81

83: 48

2

1

2 (14)

3

1

18

6

6, 1

1

8

5

~~2/3~~

2

2

1

3/5

3

1

Also seen BTs

+ C. W. m.

Q + RB Grosbeak

Q Redstart banded w/ orange

↑

pt 11 R, L

B., Pate L of trees

8

2

0

4

0

0

4

3

1

3

2

0 3

3

2

152

1

26

P. l. Bl. L. g. Redstart
Pt 6

Brw ♂

BTl g
imm

Expt 1 Rucko Tcheno
1 WEV
~~called~~ 20m into Scrub
called WEV in 35 sec

2:00 played pollen called
it in 20 sec.

Then played WEV time in
no interaction

Forest
2 - Forest 20m
in wd. - edge at edge
(scrub)

No Response

3 Forest WEV - song cluster

Scrub vireo song NR
calling at edge

E 1 pt

Scrub zone

WEV song

Scrub song

WEV song

E 1 pt

Forest Subsong
WEV

E 4 pt 4 Scrub zone

Pollin song - one ~~unappreciated~~ flower to A

b

WEV

2 flowers

no. back

E 5 pt 5 Scrub zone

Pollin song - spent 2 min

box L scrub

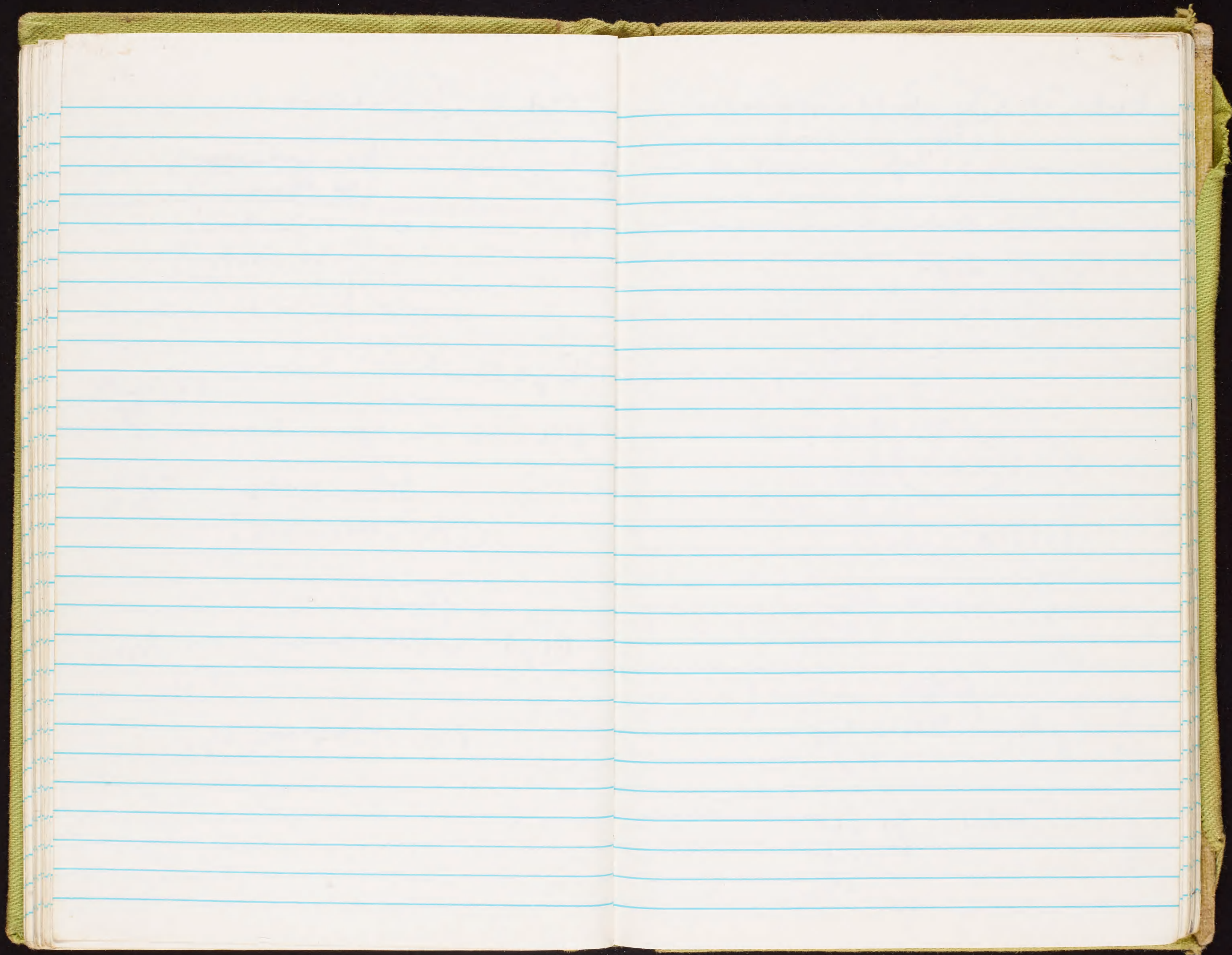
10 sec
for

for other birds!

6 - Forest

E 7 pt WEV to see (L) App
high

Pollin song from edge



7 Scrub - narrow
band of scrub
windy + clung

Pollens - neck

Grass - ~~neck~~
line in
in 2 minutes

8 Scrub edge
narrow band

Pollens - neck

Grass - neck

9 poll., Scrub
10 sec app
+ 3 sec

LEU - 50 VEU
Flg. out
to

Trail 10 - Scrub

Poll., - 10"

Grass - both sides in
time series
together - no. 10. 10. 10.

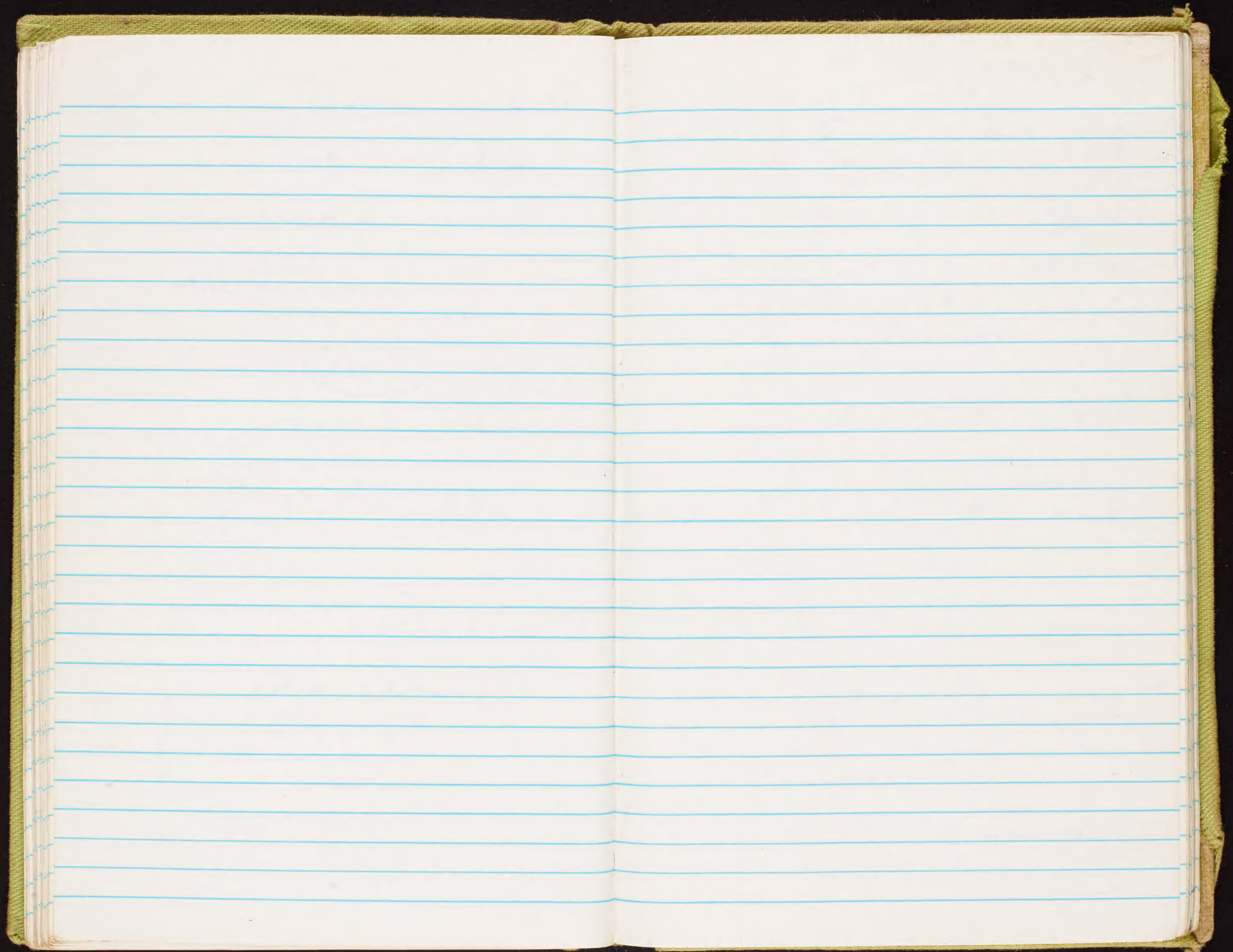
Trail 11 Forest

Grass ~ 20 sec

Pollens neck

Trail 12 Forest

Grass - neck



	Pillars	
Scrub	5 ⁺	2
Forest	0	5

Scrub	6	1
Forest	4	1

Oct 24 - STJ
 13 - Scrub
 pillars - much
 downy

lot
 of steel
 around

14 Scrub
 pillars - much
 ground - little 60 sec

Bed Type
 15 Scrub - 20m
 pillars made

16 2km NW ST

old Area		Forest
-------------	--	--------

Pillars - much

51111 - 65" - two sides chise

2 marked WEU in ^{Grazed} Arahucl-
Oct. 26

BR 40m Bl/lyr lft!

8 R 5m B-w/lb luc!

Oct 28

9 R 25m R-6/R-6

UN Grazed

Blub + white lft

Blub + white

4.5 lft

0/R Rls 9

6 imm um 6-9

11.5 dark esol 11.5-13

S. Fr 12/15 min

Oct 26 - trees on ungrazed

Legu
||||

Non Legume

Bursera

|||||

0

1

6

[7] 1

4

||||

5

[.]

2

4

0.

7

8

5

[2]

3

4

[2]

1

1

1

3

4

1

4

1

2

L NL B

1 6
(1) 5
1 1
(1)

2 3
3 1
1 2
1 1
[5] 4
4 2
5 2
2 8

L VL

2 9 1
5 1 small
6 h-c
frut
L + h frut PL 12 1 small
300
frut
(1) 7 1 frut
3 8 1 h frut
7 1
(3 big)
1 frut
1 small
frut
full
1/50 ripe
13 1 big
1 small
2
12 13 1/5
15 1/4

L

NL

B
(B)
just
off

15

3

6

4

1

3

4

3

Small Ripe Berries
with fruit of
pt 9 of

Unfrozen Arise -
no ripe fruit

Oct 27

Unsexed Tanager Pt 9

we covered a branch with

200+ fruit to see ripening rate

and we counted fruits on

5 branches to see removal rates

Clear (calm until ~7:11)
Oct 28 Watching Buvies
Pt 1 Green Aged

5:55 Yellowthroated Vireo

3 minutes

Silent

tried 3 fruits

ate one (entire)

606 WCV RG/RB ↑

Silent

127 sec - probably
got one fruit

partial regurgitation

(1 PW)

636 WCV RG/RB Singing

50 sec in tree - right

2 can fly right
by 2' & left

700 V. pallens 74 sec

tried one

ate old seed on

stick?

White Right?

716 - Scrub 4-6 ridged
but 1.4 ft. in 10 sec
when R-6 R-6 LRU
entered + position
for 90 sec.

720 - wind coming up

757 3 pillars 69 sec. Searching

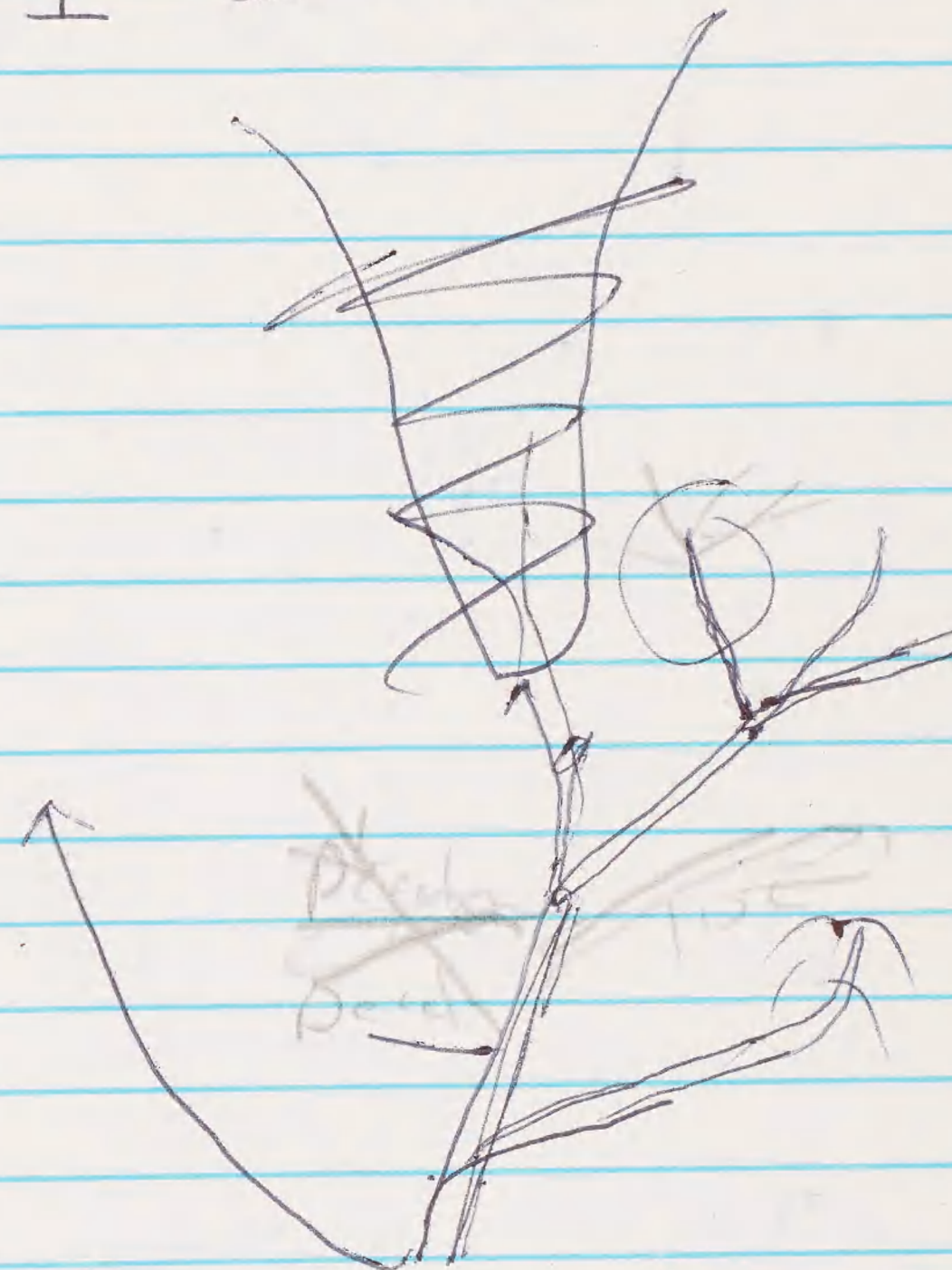


830

Oct 29

\$ Terrace front 10m

Tree #1 ⁴⁰~~20~~ feet



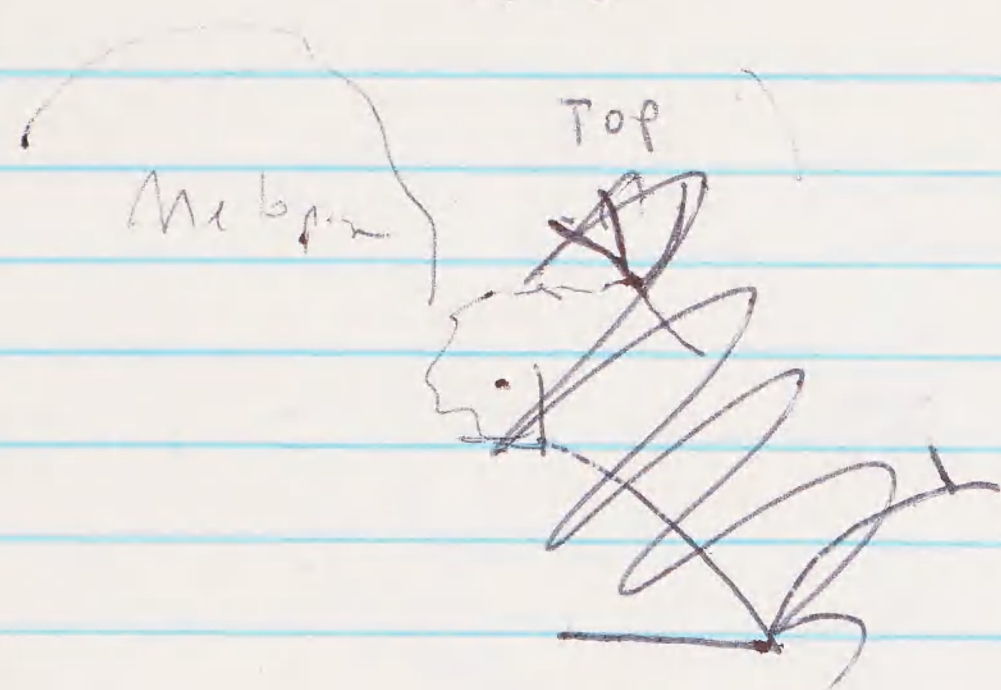
Right Fork

Total ~ 2500

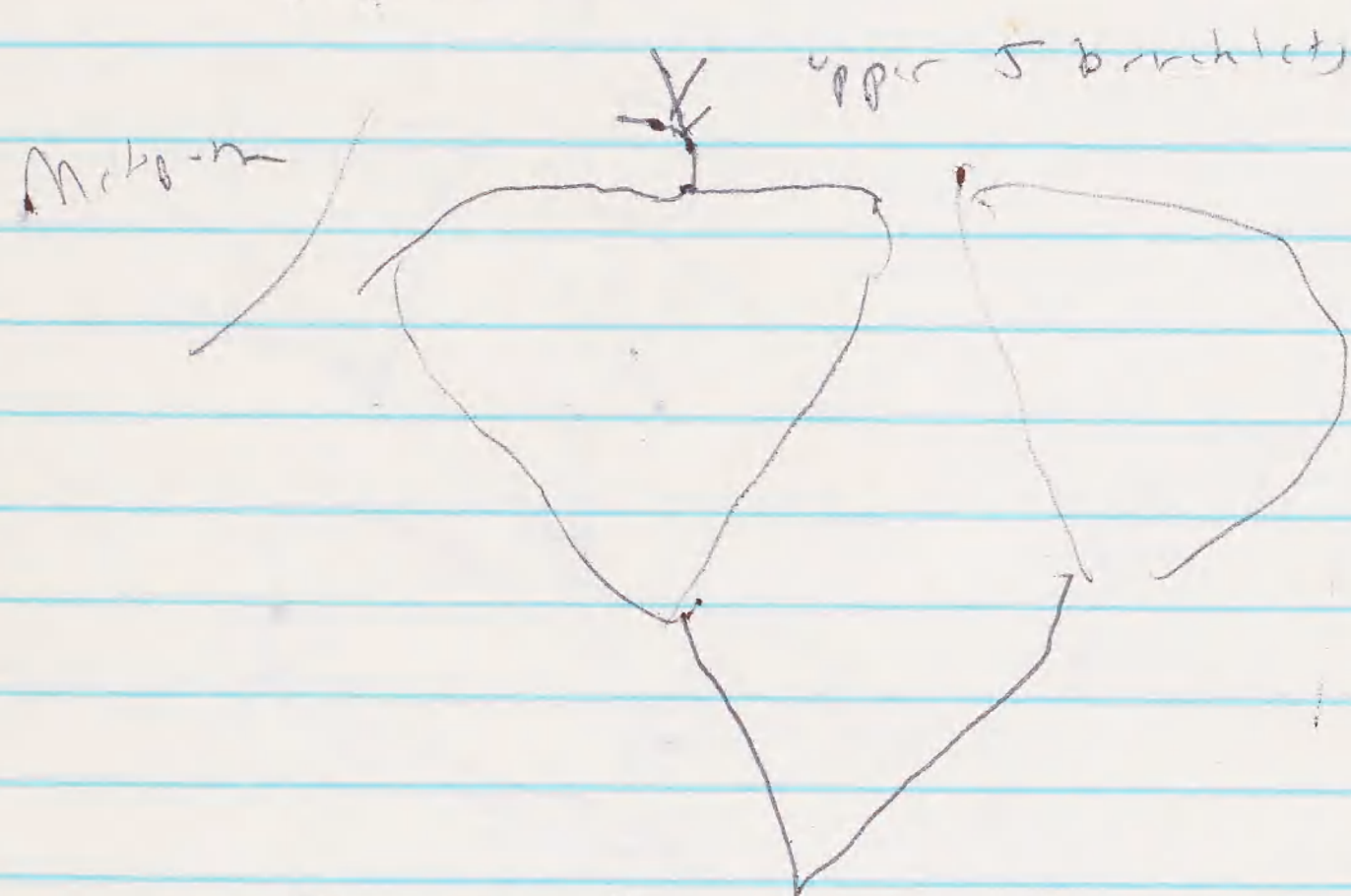
fr. 1.

Nov 11 =
36.5

Tree 1



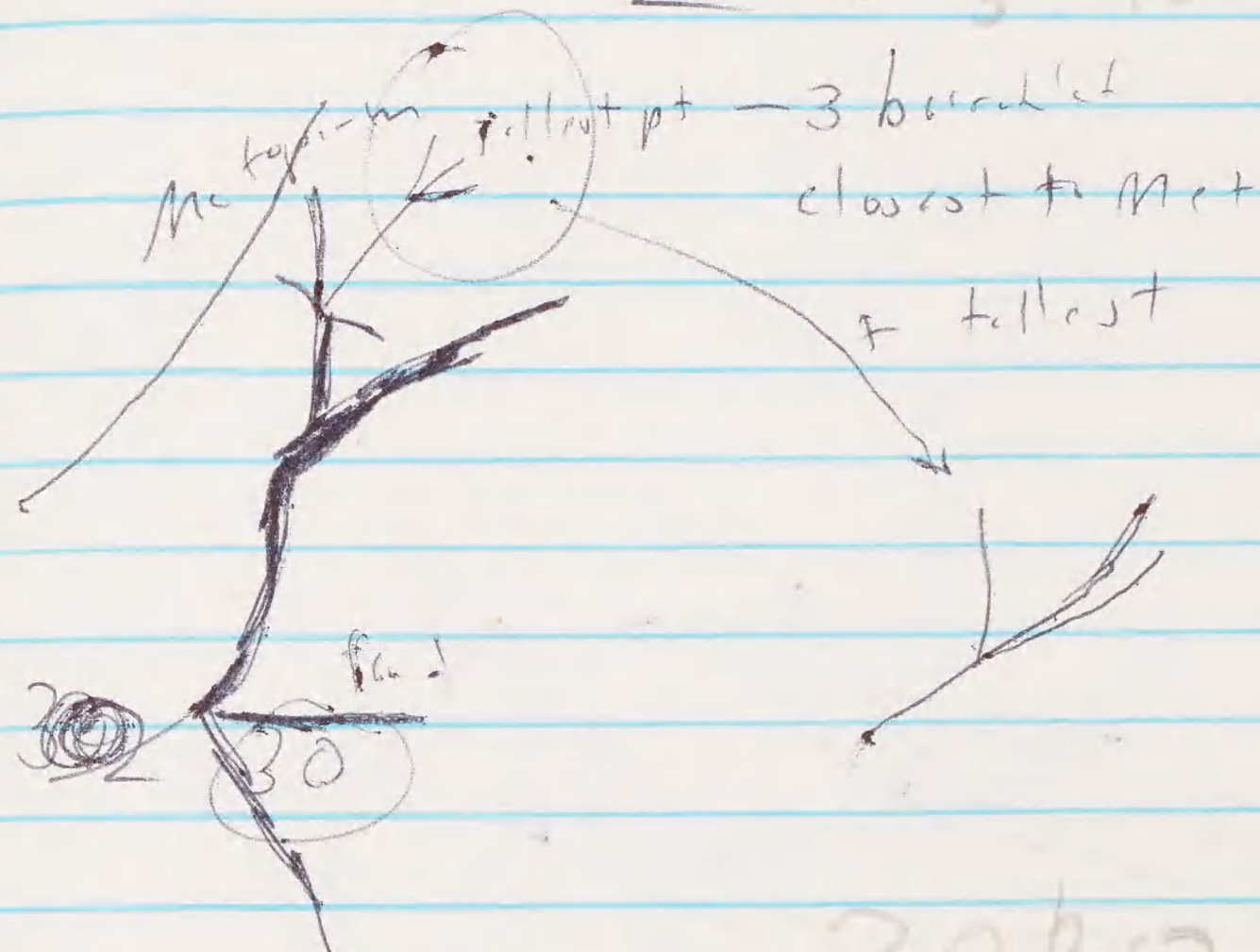
Tallest on left



30.5 feet

Nov 11 = 28

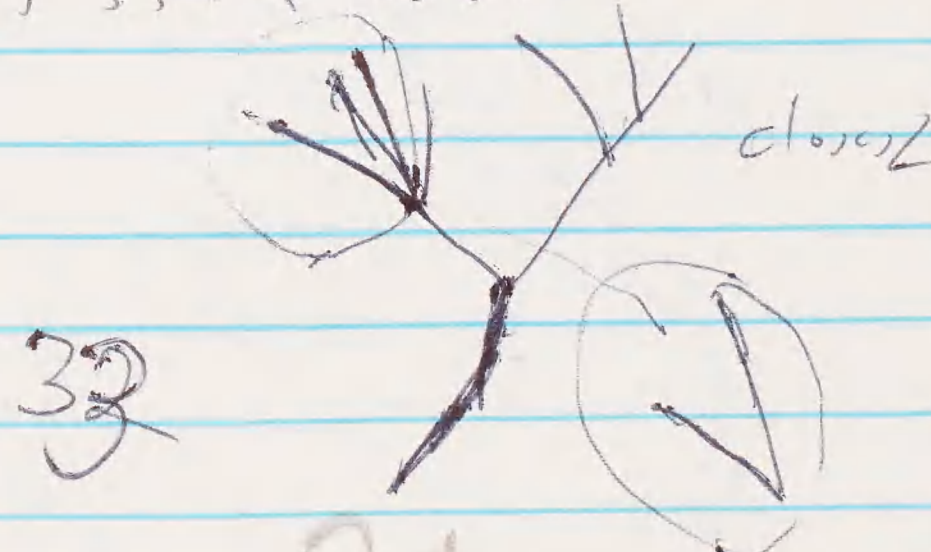
Tree 2 3-400 feet



Nov 12 = 28

Some dry purple rotten rip-les, a few 5-10

Steady d, L, H, N, E

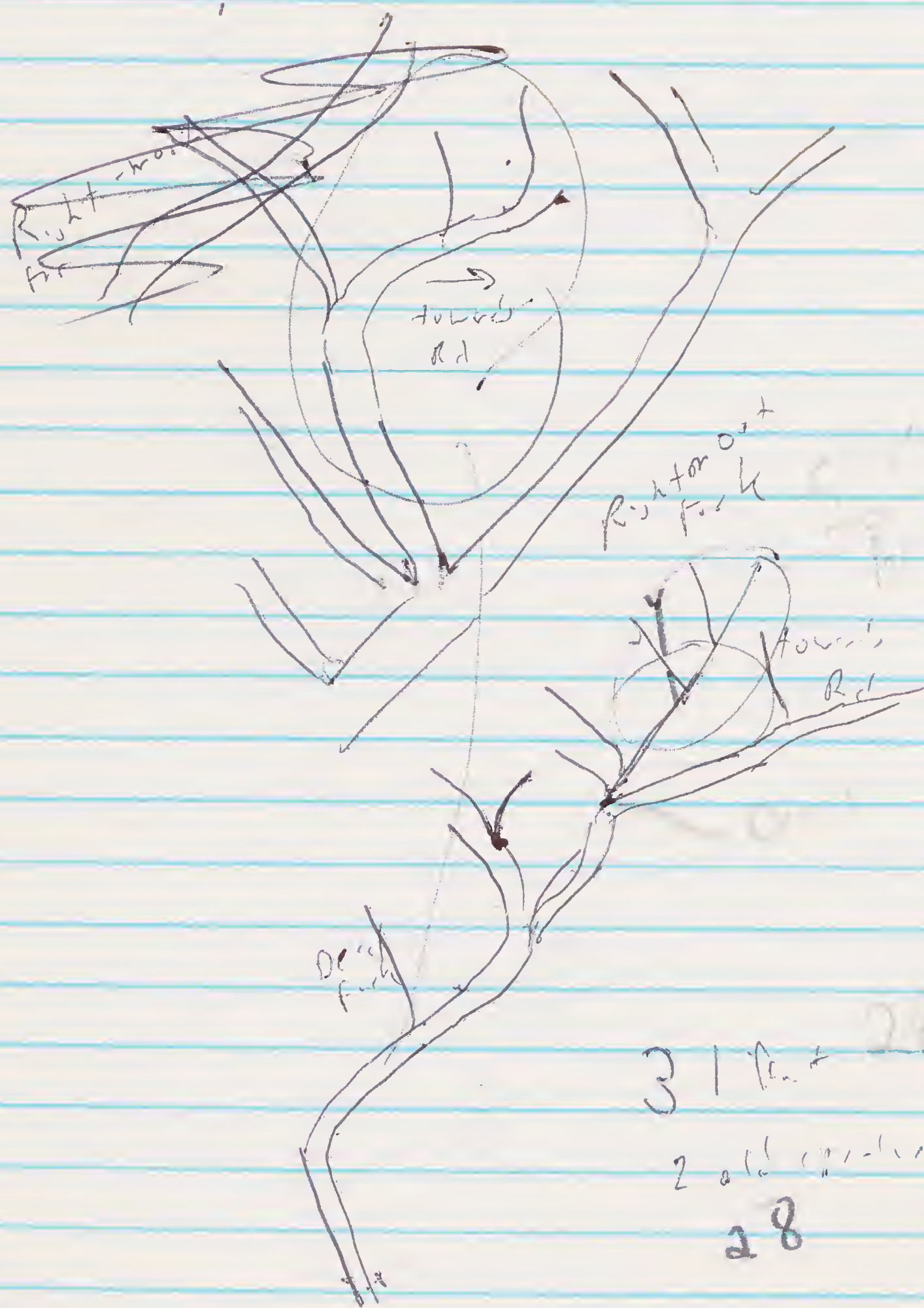


32

31

Nov 12 = 30

Tree 4 = 600



31 Dec 28
2 old craters
28



Fortnold
pt at
2:00
on tree

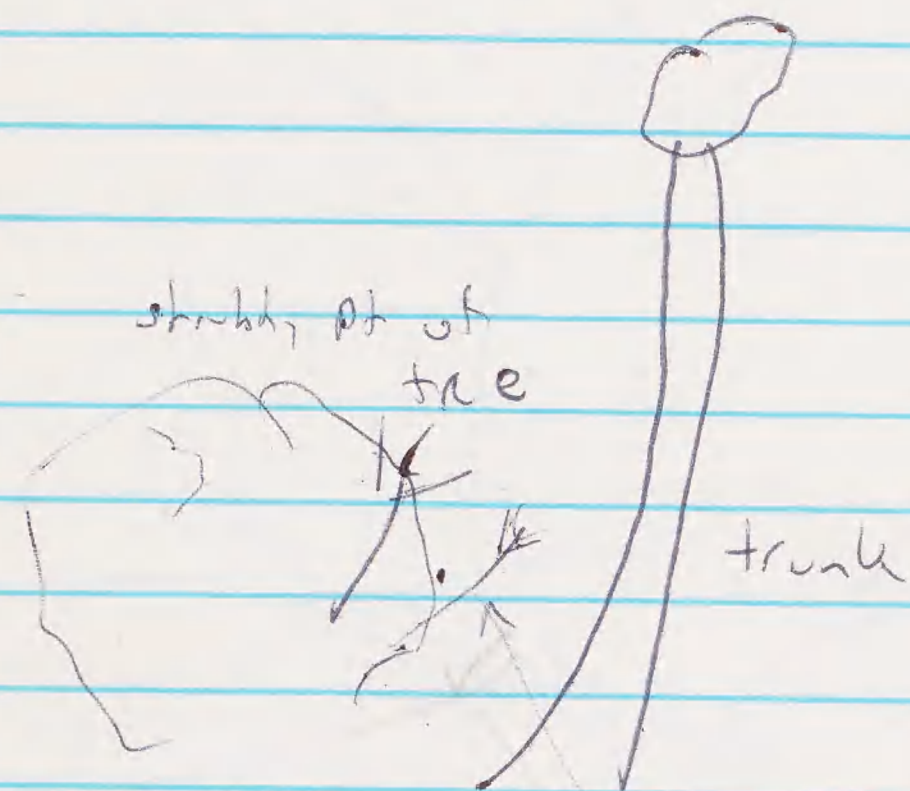
31 Dec 28
in hand

Dec 2

28 on Nov 12

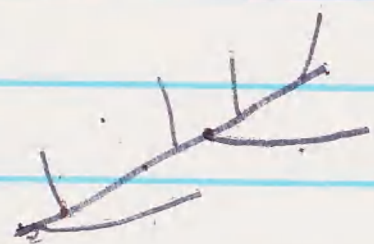
Tree 3 = 200

Tree 66 Graced Ac. Pt
9 R 25m



branch closest
to trunk

~ 33 ft



terminal branch ~ 25
below
Nov 3
taken on
13-24

Oct. 29 Graced Ac. Pt 9
Burrer's watch

549 - 1' 5 2" seedling
got fruit left tree
W E R-6 R-6 (+) coll

553 53" R-6 R-6 tried once -

got seed + fruit
it off (+) ch + v

552 U. p. l. (W) 52 see tried
once (-)

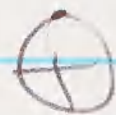
6 + B. c. Flyc perched on high low
branch

630 U. p. unmarked - note

631 12+6 1.30"

Got in 2 min

removed sign
+ grub find



ch. H

741 2-6 2-6

107"

made a rush (?)

at back of tree

which I couldn't see

calling

801

120"

- neck? (cut?)

see bird

quit

926

Pollens

w

neck -

68"

Pollen
[935 - 15" sig. bird in Burden]



9:00

Oct 30 ~~K^{pt}~~ 9 tree
bored

539

542 R-Rt

115"

could see
much of the time

(-)

81-1

603 Yucatan Vireo entered
tree 100 sec

HEV entered & was

chased 4x by

Yucatan Vireo (2)

Yucatan returned for 20 sec,
↓

630 [y R-Ten]

651 (N. B. hummer)

651 70" Pollen unknown
tried one

(-)

couldn't see & max →
have got in with

701 2 100 sec R-G R-G
HEV

heard when tree

no tree

chirpy when in

(-)

732 [pink W]

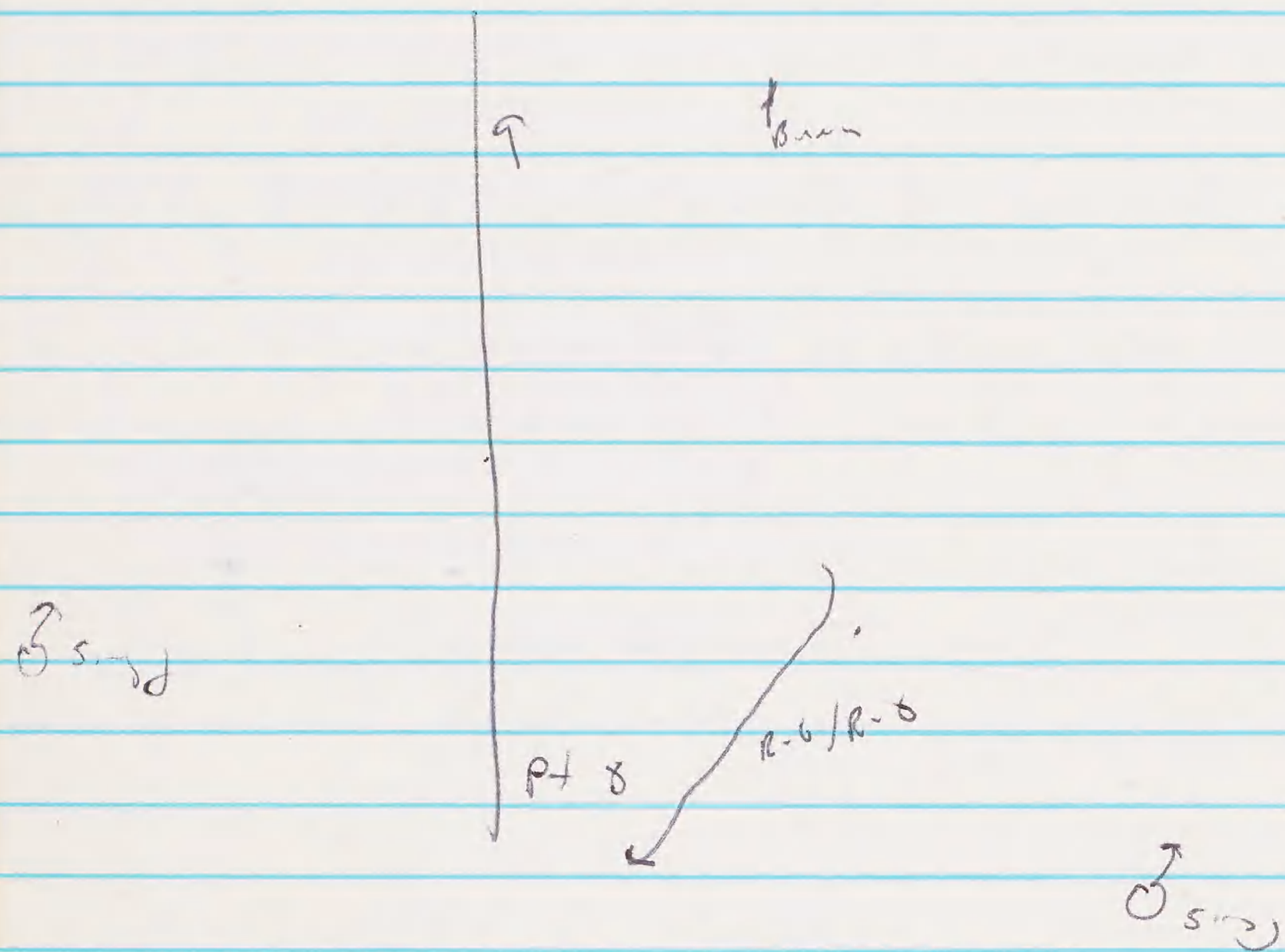
745 ♂ 50 sec on 17 sec.

839 b-R/b-R - ^{scaly} ~~imp~~

78"

End 148

3:30 Oct 30



Oct 31

5:40 - WEB 10' 12" Sand
120" + red one (⊖)

5:40 - WEB 10' 12" Sand
return to 10"

623

left
Black/Red MW in tree 5"

634

WEB R-6/R-8 10 sec

red <

Nearly Black/Light Blue
B-W Warbler

651 - 17 sec unknown Allen's

PL 8 15 sec

[2nd time I've seen a
marked ♀ Redstart in this area]

can't read bird

on 2nd w

724 R-6 D-11
47 sec

1st H bird
bird for 10 sec.

718 WEU-11
180 sec- tried 2
got one (see
copy
P-11)
all

(-)

(-)

(+)

402 Quercus Virid

437 UM imm WEU
in for 37 sec

Time

600

636

716

Nov 1 Barren - Gravel

530 Overcast

Moss det 10"

556 R-6 chitney

130"

got 1 (+)

lost 1 (-)

602 Adm 20 sec.

Very quiet

650 Bright 35"

658 R-6 d. 1/4 - 58"

640 RIB MW 20"

710 " " 65"

733

W. 2000

110" (+) 2

(1000 for 1)

20000

called briefly

750

Vip W

5" hy (probably insect)

27

L 5-2

180

2500-300

15

140

300/200

Nov. 2 Benson pm

3-515 very windy activity
quiescent

Tree Loc.

NW of Gate

1st = 0.5 km

2nd 0.12 km

3 SE - .08 km

4 ? .09 km

5 1.08 km

Nov 3

545 Tree Pt 9 6:12 ed

559 R/P 10 sec

Rm 441 630

R-6 44

716 50 sec

Silence

604 2 fast
+ 4

725 GA 6R 50

9-1

902 on 10

brink 2-10-10

733 70-6 6 9-12 Ark

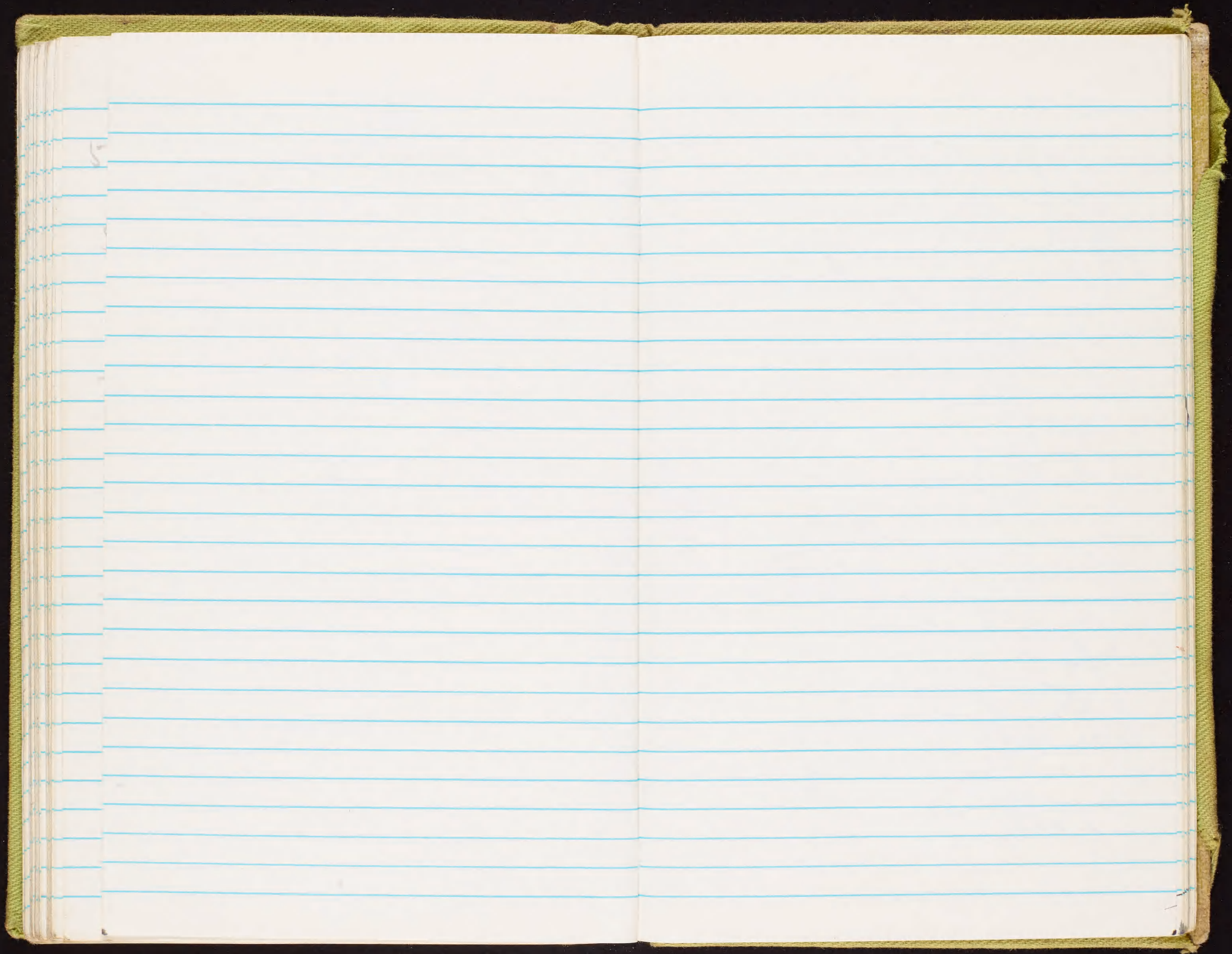
735

50"

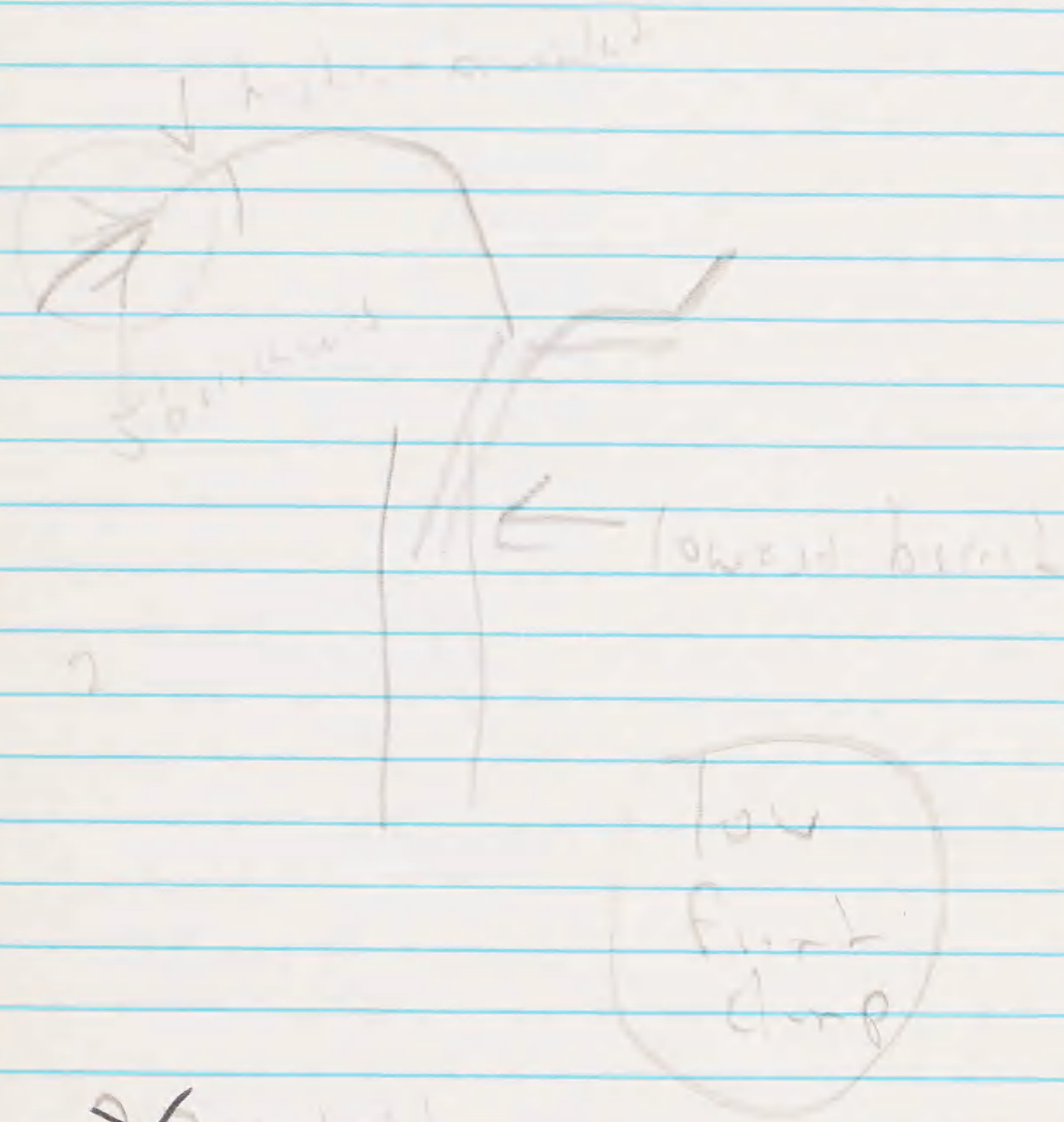
rg rg 7-10

reds

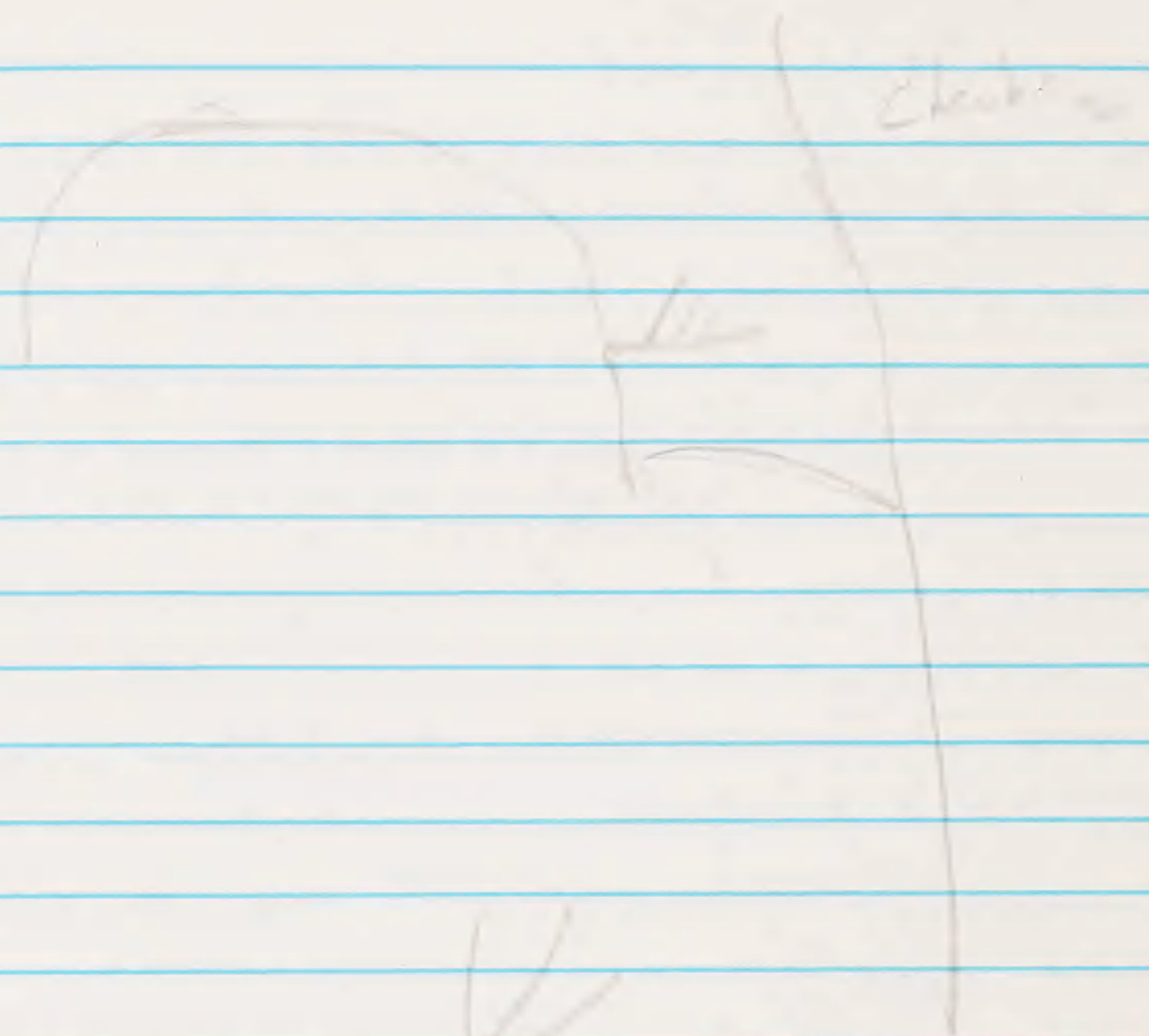
MW B/R in area



Tree 5 Nowell



~~32~~
35



Top
R. (opp 200) First fruit branch
crow. to roll
down, no sign

1500-2000

46

~~42-43~~
43-44

Nov 4
M. ...
de ...
P. ... 10m

Buriera

645
30x30m

♂ B + W Warbler
Redstart
L. flyc.

4m

Grass Rd 12m

655 50x50m

7 Bur. ...

20m W. ...

...

3rd 80m ...

7.5 W. ...
2m 2.5 Bur.

15x25m ...

225
15
125
25

3 ...
by ...

km 35.200 11/11/11
#4 - 1000 ft - 145

tree by road side
5x30m
7m canopy

adult WEV, MW

MW B

Q 5.6m

1 Q 6m - 12 ft

Q 6m 30 ft

Q 15m

Q 5m

1 Q 6m

1 Q 6m

6m canopy

Trail by E. side - B. side
3-15m

6:00 km 36 (about 100m)

50x20 + 20x30m

WEV - B. side 13m

200 ft

1st P. 1 on P. 2

~~1st P. 1 on P. 2~~

Q 12m 30

Q 12m

MW Q 10m

EWP

Q 40

Q 300

2 WEV

Not completely isolated

10:00 2nd Q

Q

12:00 200

12:00 100 ft

8m

30 ft

1. 3.30 Rht
6m 10m 330
Q.V. 6m 10m 330

7m 5
5m 3

7m 4 30
52m 7m 10m 30

9m 4 7m 0
7m 2 30
7m 10m
7m 7m
7m 10m

Q.V. 6m 10m

7m 30m

2. WEV

6m 3
6m 10m
5m 30m

9m 5m 30m
4m 5m 30m

7m 10m

4m 20m

7m 10m 5m 30m
5m 30m
5m 30m

10m 30m 5m 30m
5m 30m 5m 60

6m 7 2m 20

8-40 x 70 m = 13m

525-930 Juv. Group

WPU

1 Lt 50

2nd Lt 50

♂ 13m

♀ 13m = 50

♂ 13m

♂ 10m

6m ♂

♂ 12m

5m

♂ 2m

♂ 5m

♂ 12m

♂ 7m

♂ 12m

♂ 12m

♂ 12m

18m

♂ 12m

♂ 13m 40

♀ 12m = 20+

♂ 13m = 50+

♂ 10m 60

♂ 6m 11 1 12m 60

13m 2

#1 Km 4.5 W

S. 1st cut

W. 1st cut

9:15

8 m - 70

25 x 30 m

8 m - 60

10 m - 20

10 m - 100 m

10 m ♂

8 m - 15 m

10 m ♂

10 m ♂

10 m 25 m

at 2.20

2 1

1st cut mm

1st cut

1st cut

B.O

Rd to Santa Clara

10:50 - 8 m ♂ B

20 x 10 m

10:52 - 10 m ♂ B

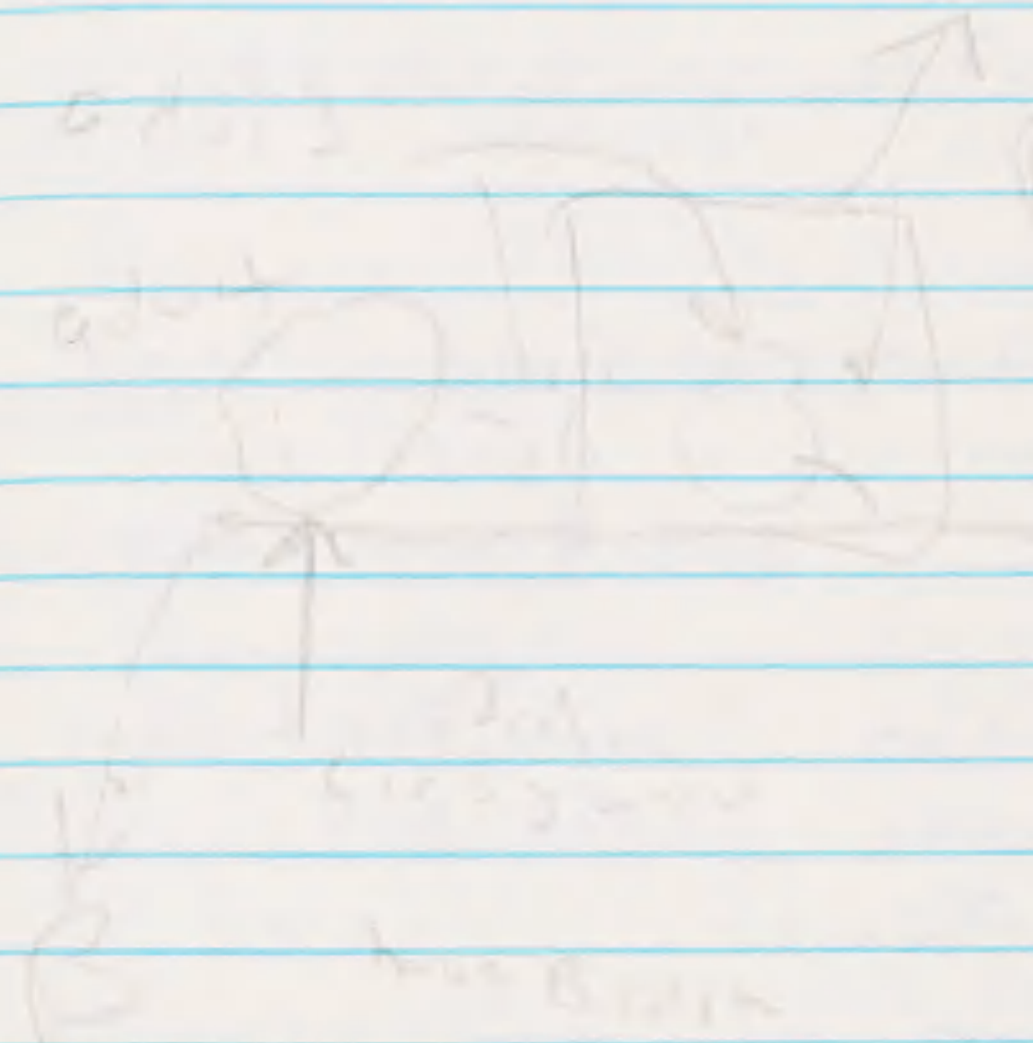
but spurs

11 m

10 m

at 10:13

about



2nd cut

1st cut

10 m ♂

2 m ♂

10 m - 20

2 m - 20

8 m ♂

8 m ♂

8 m ♂

Continued Bird List

Eastern Wood Pewee - common in Acabul
(Oct 10 - Nov 3) Petroni + others Rd
Tropical Pewee Abundant in Petroni
Acabul + others Rd

Least Flycatcher common in Ac. / Petroni &
Uncommon in short forest

B.R. At. IIs

Yucatan Flycatcher - several in Graced
Acabul

D.C. Flycatcher

G.C. Flycatcher Near STern / PEP = 5

B.-crested Flycatcher 2-3
Near PEP + Graced
Acabul

G.C. Great Kiskadee - Abundant

Beak-billed Flyc "

Scrub Flycatcher "

Eastern Kingbird El Rimond / Graced
Acabul

R.T. Beerd several + nest Graced
Acabul

Masked T. tyr

B.-crowned T. tyr - 2 seen Near PEP

Red-capped Manakin - Several near PEP

Mangrove Swallow

High-winged Swallow

Cave Swallow Partly
Over Graced Acabul

Green Jay - few

Brown Jay

Yucatan Jay

Spot-breasted war common

Caroline Wren - a few Graced Acabul

House Wren 2 S.T. Border

W. Belled Wren uncommon

Long-billed Gnatcatcher a few

Blue-gray Gnatcatcher Petroni / Acabul

Tropical Gnatcatcher - Forest - 1 in
Acabul near R. Tchern

Swainson's Thrush - common in forest

Gray-checked Thrush SH - near Cerrillo

Wood Thrush uncommon Km 10

Clay-colored Robin woods

Gray Catbird abundant + Acabul / Petroni

Blue Catbird 5 forest

Tropical Mockingbird (common - Acabul)

W. E. Vireo Abundant forest uncommon Acabul

Mangrove Vireo rare Petroni

Yellow-throated Vireo - 1 in Graced Acabul
unc. S.T. common till P

Philadelphia Vireo 2km SE ST Nov. 2
18km NE PEP Oct. 15

Red-eyed Vireo uncommon in forest in

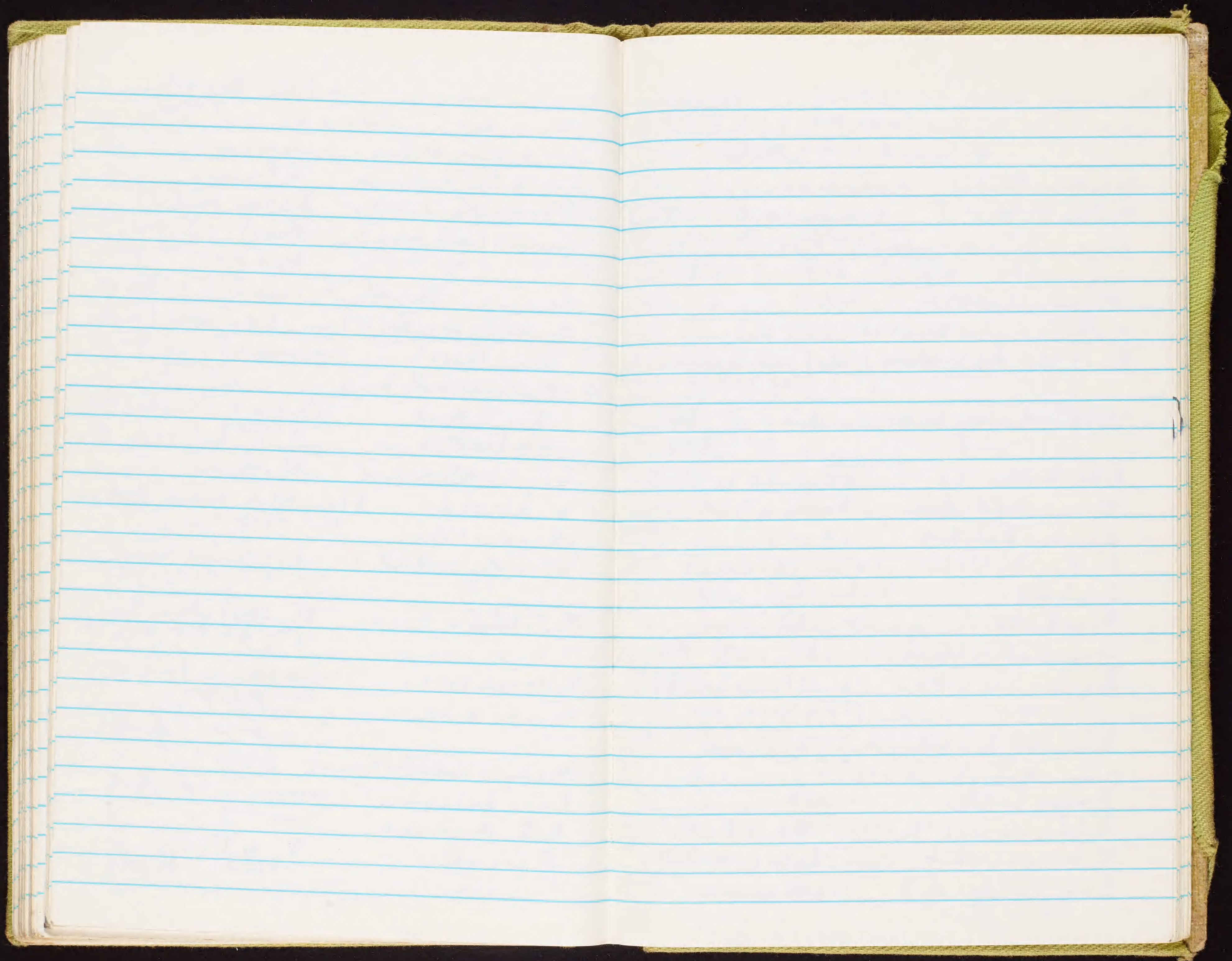
Yucatan Vireo mid October
8 total all high. tot
mostly + Bussers

Tawny-crowned Cucklet 1 record

Lesser Cucklet common in tall forest

R.B. Peppershrike comm

B. Warbler 8 sightings
forest 1 Acabul



Tennessee Warbler 15 seen in forest
near FCP, 1 S.T., 1 in Potrero
(6-24 Aug)

Northern Parula common

Yellow Warbler 6-8 seen in Potrero (Aug)

Chestnut-sided Warbler common in Mergu
12 in forest, 3 Aug
1 Potrero

Mexican Warbler ++

Yellow-rumped Warbler 1 at S.T.

Black-throated Warbler very uncommon this yr
20 total

Yellow-throated Warbler - very rare this yr
1 sighting

Palm Warbler S.T. + Rd to El Rio

Black-chute Warbler common in forest 12-3
in Archel

American Redstart ++

Prothonotary Warbler 0 km 17 Oct 17 FCP
along Rd in forest

Oscarbird

N. Whitethroat along Rd in Mergu

Loiselle Whitethroat 1 km 13 FCP
Oct 20

Bay-breasted Warbler 1 in forest near FCP
1 only seen near ST

Kentucky Warbler 2 in FCP at Oct 18-20
2-3 near FCP

Common Yellowthroat
Hooded Warbler ++

Golden-crowned Warbler Hd at km 13

Y. breasted chat 6-24 Archel

Gray-throated chat uncommon

~~B. C.~~

R.I. Honeycreeper common all habitats

Scrub Euphonia comm. Ac.

Yell. Throated Euphonia common in woods

R.C. Anttanager 2 km 15 Oct 15

Red-throated Anttanager ++

Rose-throated Tanager ++

Summer Tanager 5-6 woods / 1 Aug

Grayish Saltator S.T. - L.B.

Black-headed Saltator ++

Northern Cardinal

R.B. Grosbeak 3 seen near Valladolid

Blue Bunting Few

Blue Grosbeak 16 near Archel

Indigo Bunting R. Nuevo Arcel

Olive Sparrow ++

Green-backed Sparrow ++

W.C. Seedeater ++

Yellow-faced Grosbeak - 6 Aug

Red-winged Blackbird El Rio

Melodious Blackbird

Great-tailed Grackle FCP

Bronzed Cowbird Tulum

B. colored Oriole

Hooded Oriole

Y.B. Oriole

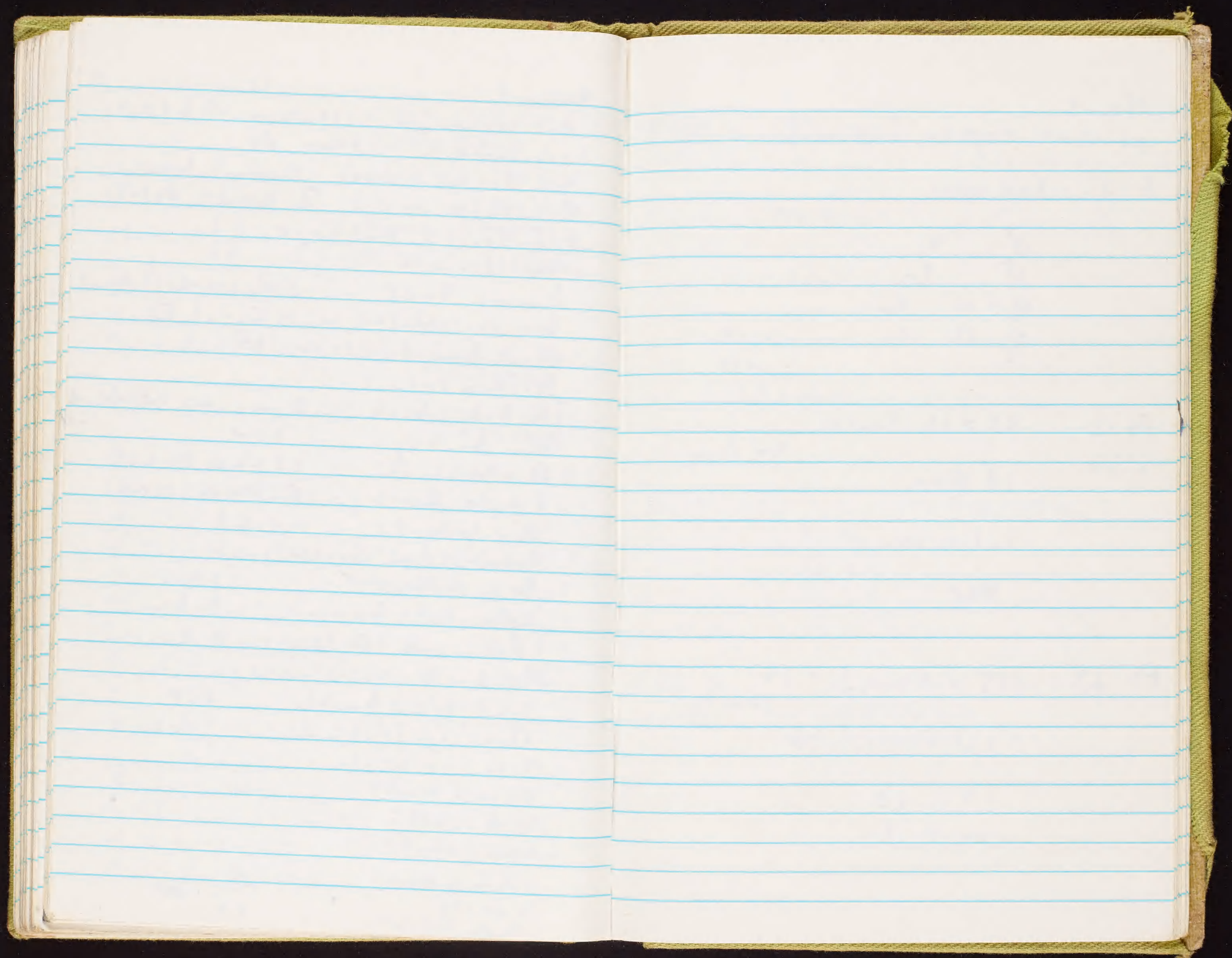
Orange Oriole

Atlantic Oriole

N. Oriole

Y.B. Oriole

♂-C. Oriole
++



Nov. 5

Pt 11 - 50 x 20 (sparse!)

6:00

dur. WEV.

♂

8m

♂

8m

♀ - 10

9m

♀ - 10

8m

Pt 12

85 x 15 inc 10m

6:30

1 ♂ Burrow

8m (10m)

1 adult WEV

MW

Pt 13

115 x 17 m

1 ♂ Burrow

ad

10m ly

1+ (1, 2)

mostly 1

Pt 14

50 x 20 m

(across from
hwy tract
to 9m (10m))

No Burrow

adult

MW

HW

RB 6m (10m)

Pt 15 -

50 x 20 m

♂ 8m

♂ 8m

Pt 6

75 x 10 m inc 12m (10m)

♀ 50 feet

ad.

Scrub 1

(P. l. l.)

present

Putresc - sand/grass

1m high

No birds.

Scrub 2

v. p. present

No birds

~~Scrub~~ ~~v. g.~~

Pitch 7 20 x 80m

12m 100y

very sparse

♀ 50

♀ 30 adult

Pitch 8

80 x 20m 10m

all WEV+

8m

8 ♀ 3 fruit

♂

10 ♀ 200

Pitch 9

35 x 40m

12m 100y

spr mod sparse

all LEV

12m ♂

12m ♀ - 20

12m ♀ 60

12m ♀ 150

12m ♀ 80

5m 5 fruit

3 ♀ 5 fruit

Pt 10 40 x 40m
60m x 40m

Q

12m ♂
10m ♀ 50

10 ♂ q-10

8m ♂

11m ♂

11m ♂

12m ♂

12m ♂

14m ♂

2 WEV ad

12m ♂

12m ♀ - 1 fruit

12m ♂

8m ♂

Pt 11 60 x 25m
10m (11-12)

6m ♂

♂ 7

5m ♂

♂ 7

8m ♂

♂ 7

12m ♂

♂ 3

♂ 3

ad. WEV

♀ 100 ft

♀

45

Pt 12 50 x 10m
6 (11) 17.

ad WEV

♂ 7m

♂ 7m

♂ 7m

Scrub 3 nade (pollen)
2-3m scrub

4 nade

5 - (juv w/ long litney)

Pt 23 10m litney 20m x 40m
sp. + ^{W.E.V} p. B. ... scd!
cd. it

Q 1020 fruit

♂ 12
♂ 8
♂
♂
♂

Scrub 6 - (Grass/S) Pollen,

after ~~stayed~~ minutes juvenile
~~came in~~
nade

8 Scrub - m. lpa

juvenile approached - long
litney -

Scrub 9 Scrub -

lots of pollen

head clutter after 5 minutes

10 nade

11 nade

Nov. 6

Patch 24 6m copy

veg scrubby 30x30

No B-mice

Ju, WEV

Res. b. wood Gr. b. Ls

♂ HW

♀ PLW

~~Red~~ I. b. Ls

25

6m copy
veg scrubby

40x40m

No B-mice
ad WEV

26

15x7m

veg scrubby small

O-WEV

27

surrounded by grass

40x25m

6-7m

♂3

♂3

introduced white-eyed

28

surrounded by grass

Grate ~~100~~ 20x50 (laken
Grass)

PB-b

Arch Warbler

♀ 6m - 50 L

8m 30

ad WEV

♀-50

1 WEV 21

♀-20

29 - 80x40 m ground

7 large ♂ B 12m
10-12 m
adult WB
questionable
Cinco
B. Greenback
1 Bunting

30 40x45 m
 ↑
 ♂ 12m
 ♂ 12m
 Scrubby, sparse trees

MLW
HW

Filiberto
~~Alberto~~ Reyes Rodriguez
Calle 51 #1525522
Tizimin Yucatan

and other
water 100-150 ft
(approx) - ground

down 10 ft view of birds
at 10 ft 10-15 ft top

1 adult M. WA (approx)
(approx 10-15 ft)

1 (approx) (approx)
(approx) (approx)

with birds - 10 ft
approx

Nov 8 1989

chicken Itzu

615-9:00 with Burre
with 5-10,000 fruit near
Jsuery - (on top)

7 visits by WEV 210 min each.

got 13-15 fruit tried 40-50

times. / Also M. t. h. q
(got 3-4 fruit)

B. h. scitator (1 fruit)

G. L. woodpecker (? fruit).

Also saw Bay-breasted Warbler
Y. T. vireo

Nov. 9. Burre at
Uxmal

540

620 0.7

622-4TV t. h. q → 4TV

624 WEV (was close)

627 4TV + T. h. q

Went to next tree

628 4TV → WEV

645 - WEV in Tree B

647 WEV brought into Tree A

[710 WEV in Tree C]

715 Last P. h.

730-733 Tree A

got 3 fruit.

to stand P. 204

047

077 - 047

(047 - 047) 03, 047

047 - 047 + 047 - 047

047 - 047 + 047

047 - 047 + 047

047 - 047 + 047

047 - 047 + 047

[047 - 047 + 047]

047 - 047 + 047

047 - 047 + 047

047 - 047 + 047

Nov. 9 Unm

WE U Extra T. 13

811 - ♂ marked T. type

Entered tree left

817 ♀ entered + left
little serving

822 3 B. M. + 3m

645

Follet all morning

Several tags with 5-10, 100, 1000
or more

Nov 10

at 1000 ft

at 1000 ft

at 1000 ft

at 1000 ft

at 1000 ft

at 1000 ft

at 1000 ft

at 1000 ft

Nov 10 Rd Behind Chapel
Barre Watch

545

624 (BBHJ).

nothing in (empty)

it, been mostly empty & overcast



Y.T. V-t to next tree

mod fast (2-3,000)

led juv. wev in 5 min.

vis. for \approx 200 yds

at 100 ft. (it grabbed

an entire capsule)

[illegible]

2-3

[Faint handwriting]

Signature: _____

$\frac{1}{x^2} = x^{-2}$

2020-2021-22

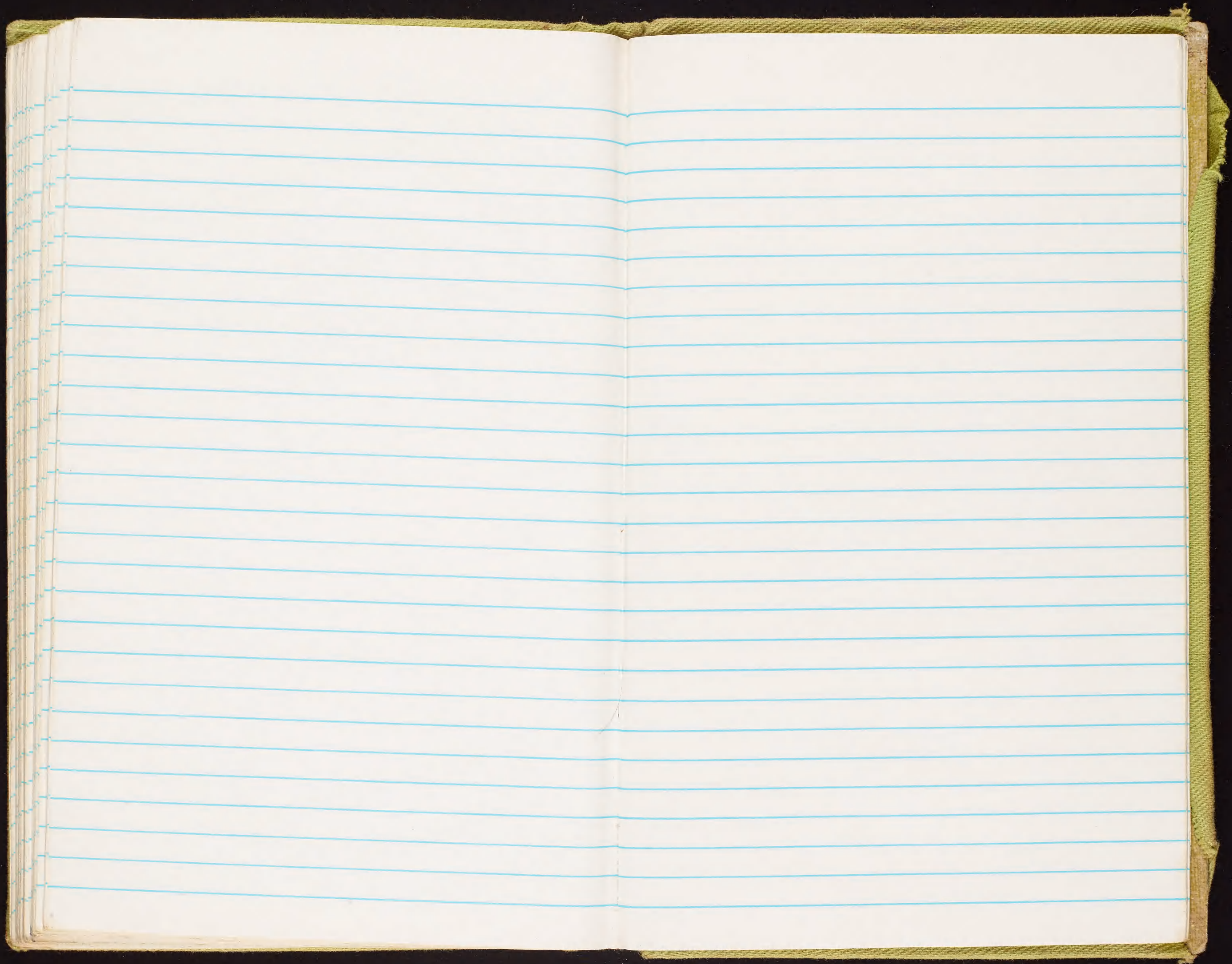
$\cos(-3)$ $\sin^2 4$ $\cos 0$

about 2.5 cm x 1.5 cm

plus vite et plus souvent

~~$$1.2 \times 10^3 \text{ kg} \cdot \text{m}^{-3} \cdot 10 \text{ m}^3 = 1.2 \times 10^4 \text{ kg}$$~~

2. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$



Visit 10+L

Pollens 74, 103, 69, ~~110, 113~~, 90, 50, 50, 52

127, 50, 90, 50, 50, ~~52~~
110, 63, 90

90

M. 11.11.11

2, 3, 6

4, 5, 7

1, 2, 5

3, 4

~~2/3~~ 2/3 1/3

1/3 2/3

2/3 1/2

1/3 1/2

~~2/5~~ 2/5

4/6

3

2/6

3/5

Visit

11.11.11

645 - 645 3

5 2 2 1

645 - 745 3

1 3 2 2

745 - 845 0

2 1 2 1

5.6

6

8

6 6

10

1

2

3

0

0

1

2

0

3

0

1

1

3

0

0

0

0

1

No. 12

UNGRALEP AC

Tree at Pt 9

R. pr. Pr. + -11/320

1 = 18

Branch 2 = 37

3 = 73

4 = 3 + 5 + 11 + 12 + 4

+ 15

10 7 = 52?

5 14 = 9 + 12 + 15 = 56

Things to do:

1) meet Bora

2) find entrance

3) talk to

Expenses

Day 1 - 17,000 gas Δ

28,000 hotel

[19,000 Dinner]

2,000 phone calls
about car

100,000 pesos for car repair

Get Nota for this

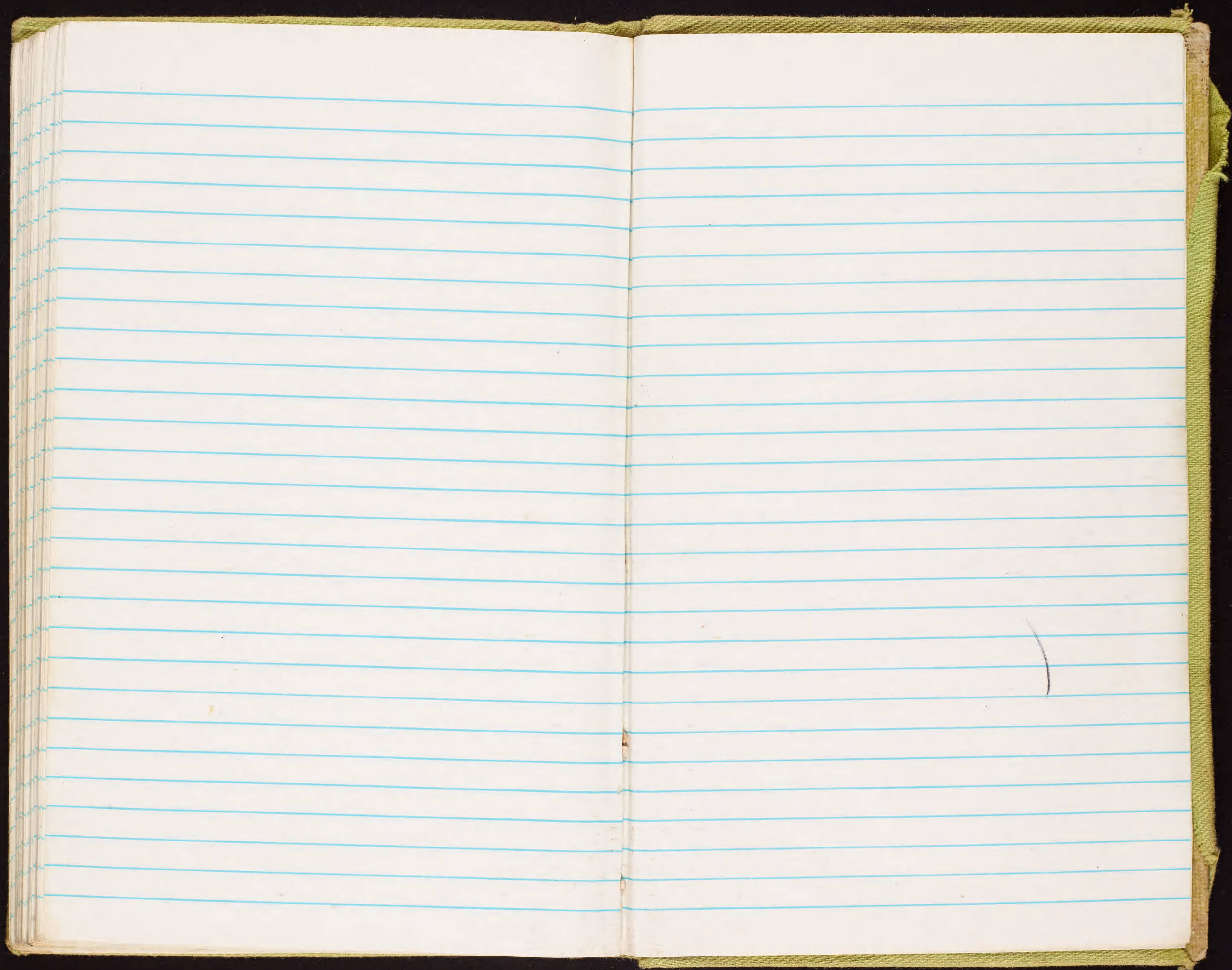
Day 2 28,000 hotel

13,000 lunch

5,000 bag

Bill

15,000



1 Fate of forest myrmica

2 Run in CTAW

3 Female high-int responses

4 Female Neophob.

5 ♀ nest chatter

6 Habitat association - phobul
response V. p. + V. g.

7 Dispersal of B. n. v. by
V. p. + V. g.

8 Sharp sparrow species count

Mauro

25-10-04

Project

Bureau for notes

1. Bag fruit
2. count count - collecting
3. count - gifts fruit
exp decline

Year 2000 on Minnesota Pys

Year 2000
% Bush in
residual

115
78
100

120

78

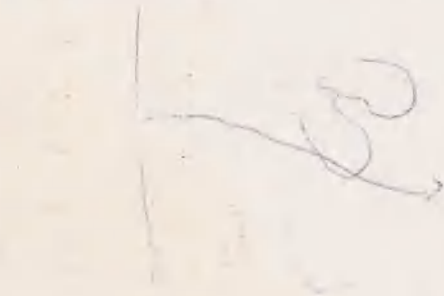
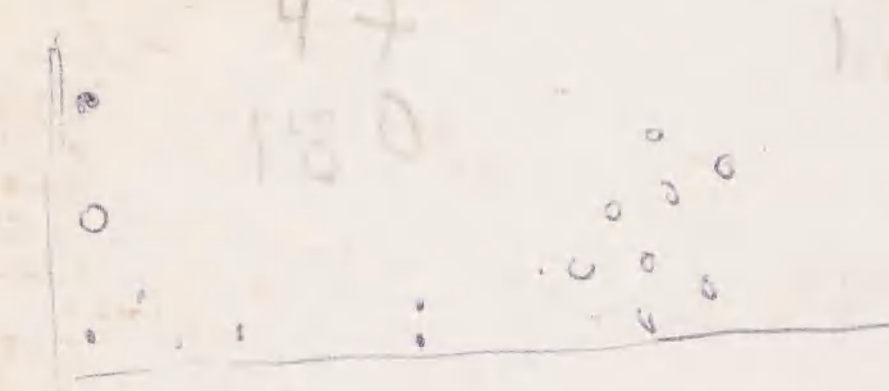
47

180

130

58

170



1/2

112

53

90

57

120

1.5

33

7550

127

50

90

298

307

532

213

425

